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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

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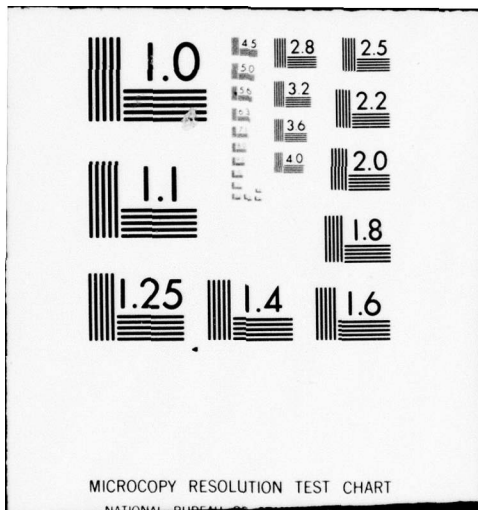
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) BARBERS --ETC(U)
JUN 78

UNCLASSIFIED

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1 OF 4
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Unclassified

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/ Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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UNCLASSIFIED

SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

STATION NO. ON SUMMARY: 22514	STATION NAME: Barbers Point, Hawaii	LATITUDE: 21° 19' N	LONGITUDE: 158° 05' W	STATION ELEV. (FT.) 33	CALL SIGN PHNA	WMO NUMBER: 91178
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STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF BARQ. LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FEET	TYPE BAROMETER	
1.	Second deck operations building	Navy	1950	1957	21° 19' N	158° 05' W	50	Mercurial	24
2.	Relocated within weather services spaces	"	1957	1969	"	"	50	"	24
3.	Relocated within weather services spaces	"	1969		"	"	50	"	24
1a.	NWSED spaces, 2nd deck operations building	"	1966		"	"	52	Aneroid	

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1.	Installed	18 ft mast on the operations tower	Selsyn	Double register	84'	* Earlier documentation not available. 1. Barograph (ML-3) 2. Semi-auto Met Sta (AN/GMQ-14B) 3. Ceiling light (ML-121)
2.	1957	Near the intersection of the runways at a distance of 2400 feet SE of operations building	AN/UMQ-5C	RD 108B	12'	

SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

DIRNAVOCEANMET ltr 3146 Ser 1032 dated 26 August 1977 (NOTAL) established the following policy for SMOS production and updating:

1. Ten years of data will be used as the standard period of record (POR).
2. All available data will be used for extreme values.
3. Summarize (update) every five years.
 - a. Summarize the five year period (1973-1977) for all sections of the SMOS except extremes. The 5 year summary will be an intermediate SMOS to show secular trends. All available data through 1977 will be included for extreme values.
 - b. The update in 1983 will include the POR 1973 through 1982, with all available data through 1982 for extreme values.
 - c. The update in 1988 will be an intermediate SMOS (POR 1983-1987). All available data through 1987 will be included for extreme values.
 - d. In 1993 the POR will be 1983 through 1992. All available data through 1992 will be used for extreme values.

Each standard POR (10 years) summary should be retained by individual stations along with the SMOS prepared in 1973. The retention of these summaries will provide the most comprehensive climatological file for your station.

DESCRIPTION: Preceding each section is a brief description of the data comprising each part of the summary and the manner of presentation. Tabulations are prepared from 3-hourly and daily observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as these record or record-special observations recorded at scheduled 3-hourly intervals. Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations (prepared from record-special, local, summary of the day, remarks, etc.).

COMMENT: All observations summarized in this tabulation have been computer edited for consistency and reasonableness prior to, or during, the processing stage. Efforts to improve the quality of the data after summarization are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be prohibitive due to the handwork involved. Suspect cases will occur infrequently, but users should not disregard extreme values completely as some could be valid. Questionable values will most likely be single occurrences shown by a percentage frequency of ".0". (This value indicates a percent less than ".05," which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional spurious value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Weather Service Detachment (NWS), Asheville, N. C. welcomes your comment and criticisms.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
 2. By month and annual, all hours and years combined, by wind direction.
 3. By month, all years combined, by standard 3-hour groups.
- Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than $5/8$ mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

WEATHER CONDITIONS

22514

STATION

BARBERS POINT, HAWAII

STATION NAME

73-77

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	02		5.8				5.8						155
	05		5.2				5.2						155
	08	.6	5.8				5.8						155
	11		2.6				2.6						155
	14		1.9				1.9						155
	17		3.9				3.9						155
	20	.6	5.8				5.8						155
	23		6.5				6.5						155
TOTALS		.2	4.7				4.7						1240

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WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

22514 STATION BARBERS POINT, HAWAII 73-77 YEARS FEB MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
FEB	02	.7	5.0				5.0						141
	05	.7	5.7				5.7						141
	08	.7	5.0				5.0						141
	11	.7	5.0				5.0						141
	14		5.0				5.0						141
	17	.7	1.4				1.4						141
	20		2.1				2.1						141
	23		2.1				2.1						141
TOTALS		.4	3.9				3.9						1128

WEATHER CONDITIONS

22514

BARBERS POINT, HAWAII

73-77

MAR

NORTH

YEARS

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAR	02	.6	2.6				2.6						155
	05		5.8				5.8						155
	08		7.1				7.1						155
	11		4.5				4.5						155
	14		3.2				3.2						155
	17		3.2				3.2						155
	20		.6				.6						155
	23		1.9				1.9						155
TOTALS		.1	3.6				3.6						1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1978

APR
MONTH

73-77
YEARS

BARBERS POINT, HAWAII
STATION NAME

22514
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
APR	02		.7				.7						150
	05		3.3				3.3						150
	08		2.0				2.0						150
	11	.7	4.7				4.7						150
	14	.7	4.7				4.7						150
	17		2.7				2.7						150
	20		.7				.7						150
	23		2.0				2.0						150
TOTALS		.2	2.6				2.6						1200

WEATHER CONDITIONS

MAY
MONTH

73-77

YEARS

BARBERS POINT, HAWAII

STATION NAME

22514

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	02		.6				.6						155
	05		3.2				3.2						155
	08		1.9				1.9						155
	11		2.6				2.6	.6				.6	155
	14		1.3				1.3						155
	17		2.6				2.6						155
	20		1.3				1.3						155
	23		1.9				1.9						155
TOTALS			1.9				1.9	.1				.1	1240

WEATHER CONDITIONS

JUN
MONTH

73-77
YEARS

22514 BARBERS POINT, HAWAII
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	02		1.3				1.3						150
	05		1.3				1.3						150
	08												150
	11		3.3				3.3						150
	14												150
	17		2.0				2.0						150
	20		.7				.7						150
	23												150
TOTALS			1.1				1.1						1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 18

JUL
MONTH73-77
YEARS22514 BARBERS POINT, HAWAII
STATION NAMEPERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	02		.6				.6						155
	05		2.6				2.6						155
	08		.6				.6						155
	11		2.6				2.6						155
	14		.6				.6						155
	17												155
	20		1.3				1.3						155
	23		1.3				1.3						155
TOTALS			1.2				1.2						1240

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

0000

22514 STATION BARBERS POINT, HAWAII 73-77 YEARS MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	02												155
	05		.6				.6						155
	08		.6				.6		.6			.6	155
	11		1.3				1.3						155
	14		2.6				2.6						155
	17												155
	20		.6				.6						155
	23												155
TOTALS			.7				.7		.1			.1	1240

WEATHER CONDITIONS

22514

BARBERS POINT, HAWAII

73-77

SEP

MONTH

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	02		1.3				1.3						150
	05		1.3				1.3						150
	08												150
	11												150
	14	1.3	1.3				1.3						150
	17	.7	1.3				1.3		.7			.7	150
	20		.7				.7						150
	23												150
TOTALS		.3	.7				.7		.1			.1	1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

OCT

73-77

BARBERS POINT, HAWAII

22514

MONTH

YEARS

STATION NAME

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
OCT	02		.6				.6						155
	05		3.9				3.9						155
	08		.6				.6		.6			.6	155
	11		1.9				1.9		.6			.6	155
	14		3.2				3.2		.6			.6	155
	17		.6				.6						155
	20		1.3				1.3						155
	23		1.3				1.3						155
TOTALS			1.7				1.7		.2			.2	1240

WEATHER CONDITIONS

NOV
MONTH73-77
YEARS22514 BARBERS POINT, HAWAII
STATION NAME

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NOV	02	.7	5.3				5.3						150
	05	.7	2.7				2.7						150
	08		4.7				4.7	.7				.7	150
	11		7.3				7.3						150
	14		6.0				6.0						150
	17	.7	4.7				4.7						150
	20	.7	3.3				3.3						150
	23		4.0				4.0						150
TOTALS		.4	4.3				4.8	.1				.1	1200

WEATHER CONDITIONS

5701 WEATHER CONDITIONS JAN 1988

STATION 22514 BARBERS POINT, HAWAII 73-77 YEARS MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER-STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DEC	02		2.6				2.6						155
	05		5.8				5.8						155
	08		3.9				3.9						155
	11		4.5				4.5						155
	14		2.6				2.6						155
	17		3.9				3.9						155
	20		1.9				1.9						155
	23		3.9				3.9						155
TOTALS			3.6				3.6						1240

WEATHER CONDITIONS

22514

BARBERS POINT, HAWAII

73-77

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.2	4.7				4.7						1240
FEB		.4	3.9				3.9						1128
MAR		.1	3.6				3.6						1240
APR		.2	2.6				2.6						1200
MAY			1.9				1.9	.1				.1	1240
JUN			1.1				1.1						1200
JUL			1.2				1.2						1240
AUG			.7				.7		.1			.1	1240
SEP		.3	.7				.7		.1			.1	1200
OCT			1.7				1.7		.2			.2	1240
NOV		.4	4.8				4.8	.1				.1	1200
DEC			3.6				3.6						1240
TOTALS		.1	2.5				2.5	.0	.0			.0	14608

WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

ALL MONTH

YEARS

49-77

STATION NAME BARBERS POINT, HAWAII

STATION 22514

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN &/OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	4.0	48.4				48.4	.1	.6			.7	899
FEB		3.1	45.4				45.4		.7			.7	819
MAR		2.7	42.3				42.3	.2	.4			.7	899
APR		2.3	46.2				46.2	.2	.3			.6	870
MAY		1.3	35.7				35.7	.2	.7			.8	899
JUN		.3	39.0				39.0		1.1			1.1	870
JUL		.5	41.6				41.6		.3			.3	880
AUG		.1	35.5				35.5		.7			.7	899
SEP		1.5	36.9				36.9		.5			.5	869
OCT		1.6	38.9				38.9	.1	.6			.7	895
NOV		2.5	47.0				47.0	.2	.2			.5	869
DEC		2.9	45.9				45.9	.1				.1	899
TOTALS		1.9	41.9				41.9	.1	.5			.6	10567

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22514

STATION

BARBERS POINT, HAWAII

STATION NAME

JAN 1973-DEC 1977

YEARS

JANUARY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	6.7	6.7												86.7
NNE	1.3	3.8												94.9
NE	1.5	1.4												98.2
ENE	1.0	3.3												95.8
E	4.1	1.4												94.5
ESE	7.1													92.9
SE														100.0
SSE		3.1												96.9
S		2.1												97.9
SSW		4.1												95.9
SW	2.0	6.1						2.0						91.8
WSW		5.2						2.0						94.8
W		12.2												85.7
WNW														100.0
NW	7.1	7.1												85.7
NNW	40.0	20.0												40.0
VARIABLE														
CALM														100.0
TOTAL	18	39						2						1181
% TOTAL	1.5	3.1						.2						95.3

TOTAL NUMBER OF OBSERVATIONS

1,239

NAVWEASERYCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22514

BARBERS POINT, HAWAII

STATION

JAN 1973-DEC 1977

YEARS

FEBRUARY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS ICE CRYSTALS	SNOW "GRAINS "PELLETS "SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	4.8													95.2
NNE	8.8	4.1						8.8						95.1
NE	4.4	3.1												96.5
ENE		8.8												99.2
E		2.5						8.8						97.5
ESE														100.0
SE	3.1	6.3												90.6
SSE	2.9	5.7						2.9						91.4
S		5.6						1.9						94.4
SSW	4.2													95.8
SW	6.7													93.3
WSW	12.5	25.0												62.5
W		17.6												82.4
WNW		8.3												91.7
NW		9.1						9.1						90.9
NNW		33.3												66.7
VARIABLE														
CALM	16.7	16.7												66.7
TOTAL	9	35						5						1084
% TOTAL	.8	3.1						.4						96.1

TOTAL NUMBER OF OBSERVATIONS

1,128

NAVWEASERVCOM

5708 % FREQ. WIND DIR. VS. WEATHER JAN 68

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22514

BARBERS POINT, HAWAII

JAN 1973-DEC 1977

MARCH

ALL

MOONS (L.S.T.)

STATION NAME

MONTH

YEARS

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	16.7													83.3
NNE		2.7												97.3
NE	.9	3.2						.5						95.5
ENE	.4	2.7												96.9
E		2.2												97.8
ESE														100.0
SE														100.0
SSE		4.2												95.8
S	2.6	2.6												94.7
SSW		3.6												96.4
SW		11.5												88.5
WSW		9.1												90.9
W														100.0
WNW		6.7												93.3
NW	11.1													88.9
NNW														100.0
VARIABLE														68.0
CALM		10.0												68.0
TOTAL	7	38						1						1194
% TOTAL	.6	3.1						.1						96.3

TOTAL NUMBER OF OBSERVATIONS

1,240

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 22514 BARBERS POINT, HAWAII STATION NAME JAN 1973-DEC 1977 YEARS APRIL MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE		3.9												96.1
NE	5	2.0						.5						97.5
ENE		1.3												98.7
E		2.6												97.2
ESE		14.3												85.7
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W	11.1													88.9
WNW		25.0												75.0
NW		33.3						33.3						66.7
NNW														
VARIABLE														
CALM														
TOTAL	2	29						2						1163
% TOTAL	.2	2.4						.2						97.4

TOTAL NUMBER OF OBSERVATIONS 1,196

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22514

BARBERS POINT, HAWAII

STATION

JAN 1973-DEC 1977

YEARS

MAY

MONTH

ALL

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		25.0												75.0
NNE		5.0												95.0
NE		1.0												99.0
ENE		1.0												99.0
E		1.8												98.2
ESE		8.3												91.7
SE														100.0
SSE		8.7												91.3
S		5.7							2.9					94.3
SSW														100.0
SW														100.0
WSW														100.0
W														100.0
WNW														100.0
NW														100.0
NNW		50.0												50.0
VARIABLE														
CALM														
TOTAL		24							1					1216
% TOTAL		1.9							.1					98.1

TOTAL NUMBER OF OBSERVATIONS

1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

STATION 22514 BARBERS POINT, HAWAII JAN 1973-DEC 1977 MONTH JUNE ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET "SHOWERS" ICE CRYSTALS	SNOW GRAINS "PELLETS" "SHOWERS"	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		66.7												33.3
NNE														100.0
NE		.8												99.2
ENE		.9												99.1
E		1.4												98.6
ESE														100.0
SE														100.0
SSE		3.7												96.3
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W														100.0
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														100.0
CALM														100.0
TOTAL		13												1187
% TOTAL		1.1												98.9

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

STATION 22914 BARBERS POINT, HAWAII JAN 1973-DEC 1977 MONTH JULY ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE														100.0
NE														99.1
ENE														99.1
E														98.2
ESE														93.3
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW														100.0
WSW														100.0
W														100.0
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														100.0
CALM														100.0
TOTAL		1.5												1225
% TOTAL		1.2												98.8

TOTAL NUMBER OF OBSERVATIONS 1,240

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22514 STATION BARBERS POINT, HAWAII JAN 1973-DEC 1977 YEARS MONTH ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		14.3												85.7
NNE											2.0			98.0
NE														100.0
ENE		1.0												99.0
E		.6												99.4
ESE														100.0
SE														100.0
SSE														100.0
S														100.0
SSW														100.0
SW		10.0												90.0
WSW														100.0
W														100.0
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														
CALM														
TOTAL		9										1		1230
% TOTAL		.7										.1		99.2

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22514

STATION BARBERS POINT, HAWAII

JAN 1973-DEC 1977

SEPTEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N														100.0
NNE		2.7						1.4						97.3
NE		.3												99.7
ENE		.7												99.3
E		.6												99.4
ESE														100.0
SE														100.0
SSE								1.9						98.1
S								3.6						96.4
SSW		5.3									5.3			89.5
SW														100.0
WSW		11.1												88.9
W														100.0
WNW														100.0
NW														100.0
NNW														100.0
VARIABLE														100.0
CALM														100.0
TOTAL		9						3				1		1188
% TOTAL		.8						.3				.1		99.0

TOTAL NUMBER OF OBSERVATIONS 1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22514 STATION BARBERS POINT, HAWAII JAN 1973-DEC 1977 MONTH OCTOBER ALL HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET " SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		8.3												91.7
NNE		2.3	1.1											96.6
NE		1.8												98.2
ENE		.7									.2			99.1
E		1.5									4.5			98.5
ESE		4.5									3.3			90.9
SE														96.7
SSE														100.0
S		3.4												96.6
SSW														100.0
SW														100.0
WSW		16.7												83.3
W		9.1												90.9
WNW														100.0
NW		33.3												66.7
NNW														100.0
VARIABLE														100.0
CALM														100.0
TOTAL		20	1											1216
% TOTAL		1.6	.1											98.1

TOTAL NUMBER OF OBSERVATIONS 1,240

PERCENTAGE FREQUENCY OF WIND DIRECTION
VS. WEATHER CONDITIONS

22514

BARBERS POINT, HAWAII

JAN 1973-DEC 1977

NOVEMBER

ALL

HOURS (L.S.T.)

STATION NAME

YEARS

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET - SHOWERS ICE CRYSTALS	SNOW " GRAINS " PELLETS " SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N		5.9						5.9						94.1
NNE		4.0												96.0
NE		2.7												97.3
ENE		2.7	.3						.3					97.1
E		1.1												98.9
ESE		7.3						2.4						92.7
SE		2.4												97.6
SSE		5.4												94.6
S	3.3	19.0												81.7
SSW	3.8	19.2						3.8						73.1
SW	5.3	5.3						5.3						89.5
WSW	10.0	20.0												70.0
W	5.9	11.8												82.4
WNW														100.0
NW		25.0												75.0
NNW														100.0
VARIABLE														
CALM														
TOTAL	6	50	1					4	1					1142
% TOTAL	.5	4.2	.1					.3	.1					95.2

TOTAL NUMBER OF OBSERVATIONS

1,200

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22514

BARBERS POINT, HAWAII

JAN 1973-DEC 1977

DECEMBER

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.9	2.9												94.1
NNE		2.2												97.8
NE	.8	3.1												96.1
ENE	.5	2.0												97.5
E														100.0
ESE	3.6													96.4
SE														100.0
SSE														100.0
S	1.7	6.7												91.7
SSW		12.5												87.5
SW		25.0												75.0
WSW		18.2												81.8
W		17.6												82.4
WNW		13.3												86.7
NW		7.7												92.3
NNW		14.3												85.7
VARIABLE														100.0
CALM														1194
TOTAL	7	38												96.4
% TOTAL	.6	3.1												

TOTAL NUMBER OF OBSERVATIONS

1,239

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

22514

BARGERS POINT, HAWAII

JAN 1973-DEC 1977

ALL

HOURS (L.S.T.)

ALL

MONTH

WIND DIRECTION	RAIN	RAIN SHOWERS	DRIZZLE	FREEZING RAIN FREEZING DRIZZLE	SLEET SHOWERS ICE CRYSTALS	SNOW GRAINS PELLETS SHOWERS	HAIL SMALL HAIL	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
N	2.9	5.8						.7						91.4
NNE	.2	2.8						.2			.1			96.8
NE	.2	1.7	.1					.1						98.0
ENE	.1	1.4	.0					.0	.0		.0			98.4
E	.2	1.5						.0			.3			98.3
ESE	.8	4.0						.3			.2			94.9
SE	.2	.7						.5						98.8
SSE	.3	2.4						.4	.2					97.0
S	.8	4.6						.4						94.3
SSW	.8	5.2						.4			.4			93.3
SW	1.8	6.0						1.2						92.2
WSW	1.5	8.8						.7						89.7
W	.7	9.9						1.4						88.6
WNW	1.0	4.0						2.4						94.9
NW	2.7	9.6												87.7
NNW	4.8	11.9												83.3
VARIABLE														
CALM														
TOTAL	49	319	2					17	2		5			14222
% TOTAL	.3	2.2	.0					.1	.0		.0			97.4

TOTAL NUMBER OF OBSERVATIONS

14,602

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited use and may be misleading.
2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations

From beginning of record thru 1945	Snow depth at 0800 LST
Jan 46-May 57	Snow depth at 1230 GCT
Jun 57-present	Snow depth at 1200 GCT

U. S. Navy and Weather Bureau Stations

From beginning of record thru Jun 52	Snow depth at 0030 GCT
Jul 52-May 57	Snow depth at 1230 GCT
Jun 57-present	Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956,

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

22514
STATION

STATION NAME
BARBERS POINT, HAWAII

49-77

YEARS

PRECIP.	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	51.7	17.2	4.0	6.1	4.8	6.1	3.9	2.1	2.4	1.2	.3			31.0	899	4.35	14.09 .47		
FEB	54.0	22.8	3.4	6.7	3.4	3.3	1.8	1.8	2.4	.5				23.3	791	2.43	9.98TRACE		
MAR	57.0	21.3	2.7	6.3	3.5	2.6	2.5	2.2	1.4	.4		.1		21.7	837	2.50	17.27 .06		
APR	53.8	24.6	4.4	7.2	3.4	3.0	1.3	1.0	.7	.6				21.6	870	1.46	12.03 .03		
MAY	64.4	21.4	3.0	4.9	1.9	1.4	1.7	.7	.4	.2				14.2	899	.92	8.45TRACE		
JUN	61.0	29.4	2.2	4.4	1.1	.9	.5	.2	.2					9.5	870	.31	1.96TRACE		
JUL	58.9	27.0	3.1	6.7	1.9	1.7	.6		.1					14.1	837	.31	1.24TRACE		
AUG	64.5	23.7	3.0	5.3	1.9	.8	.3	.2	.2					11.8	899	.32	2.09TRACE		
SEP	62.6	24.4	3.6	5.1	1.5	1.3	.6	.4	.2					13.0	840	.42	1.65 .02		
OCT	61.2	21.5	3.3	5.6	2.1	2.6	.9	1.4	1.2	.1				17.3	868	1.36	5.60TRACE		
NOV	52.6	24.4	3.3	7.0	3.7	3.0	1.7	1.5	2.0	.6	.1			23.0	840	2.61	11.71 .01		
DEC	53.9	21.1	3.0	6.5	3.3	4.3	2.2	2.8	2.3	.4				24.9	899	2.85	8.04 .10		
ANNUAL	58.0	23.2	3.2	6.0	2.7	2.6	1.5	1.2	1.1	.3	.0	.0		18.8	10349	19.84			

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

22514 STATION BARBERS POINT, HAWAII STATION NAME 69-23, 63-64, 66-77 YEARS

AMOUNTS (INCHES)															TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP.	NONE	TRACE	.01	.02-.05	.06-10	11-.25	26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	PERCENT OF DAYS WITH MEASUR- ABLE AMTS		MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	100.0														527	.0	.0	.0
FEB	100.0														481	.0	.0	.0
MAR	100.0														496	.0	.0	.0
APR	100.0														510	.0	.0	.0
MAY	100.0														558	.0	.0	.0
JUN	100.0														570	.0	.0	.0
JUL	100.0														558	.0	.0	.0
AUG	100.0														527	.0	.0	.0
SEP	100.0														540	.0	.0	.0
OCT	100.0														527	.0	.0	.0
NOV	100.0														540	.0	.0	.0
DEC	100.0														589	.0	.0	.0
ANNUAL	100.0														6423	.0		

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

22514 STATION BARBERS POINT, HAWAII 49-55, 63-64, 66-77 YEARS

5722 Daily Amounts Jan 1969

PRECIP.	NONE	TRACE	TRACE	.01	.02-.05	.06-.10	.11-.25	26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	AMOUNTS (INCHES)			PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)																																																																																																																																																																			
														OVER 20.00	OVER 50.4	OVER 120			MEAN	GREATEST	LEAST																																																																																																																																																																	
SNOWFALL	NONE	TRACE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	50.5-100.0	100.1-200.0	200.1-500.0	500.1-1000.0	1000.1-2000.0	2000.1-5000.0	5000.1-10000.0	10000.1-20000.0	20000.1-50000.0	50000.1-100000.0	100000.1-200000.0	200000.1-500000.0	500000.1-1000000.0	1000000.1-2000000.0	2000000.1-5000000.0	5000000.1-10000000.0	10000000.1-20000000.0	20000000.1-50000000.0	50000000.1-100000000.0	100000000.1-200000000.0	200000000.1-500000000.0	500000000.1-1000000000.0	1000000000.1-2000000000.0	2000000000.1-5000000000.0	5000000000.1-10000000000.0	10000000000.1-20000000000.0	20000000000.1-50000000000.0	50000000000.1-100000000000.0	100000000000.1-200000000000.0	200000000000.1-500000000000.0	500000000000.1-1000000000000.0	1000000000000.1-2000000000000.0	2000000000000.1-5000000000000.0	5000000000000.1-10000000000000.0	10000000000000.1-20000000000000.0	20000000000000.1-50000000000000.0	50000000000000.1-100000000000000.0	100000000000000.1-200000000000000.0	200000000000000.1-500000000000000.0	500000000000000.1-1000000000000000.0	1000000000000000.1-2000000000000000.0	2000000000000000.1-5000000000000000.0	5000000000000000.1-10000000000000000.0	10000000000000000.1-20000000000000000.0	20000000000000000.1-50000000000000000.0	50000000000000000.1-100000000000000000.0	100000000000000000.1-200000000000000000.0	200000000000000000.1-500000000000000000.0	500000000000000000.1-1000000000000000000.0	1000000000000000000.1-2000000000000000000.0	2000000000000000000.1-5000000000000000000.0	5000000000000000000.1-10000000000000000000.0	10000000000000000000.1-20000000000000000000.0	20000000000000000000.1-50000000000000000000.0	50000000000000000000.1-100000000000000000000.0	100000000000000000000.1-200000000000000000000.0	200000000000000000000.1-500000000000000000000.0	500000000000000000000.1-1000000000000000000000.0	1000000000000000000000.1-2000000000000000000000.0	2000000000000000000000.1-5000000000000000000000.0	5000000000000000000000.1-10000000000000000000000.0	10000000000000000000000.1-20000000000000000000000.0	20000000000000000000000.1-50000000000000000000000.0	50000000000000000000000.1-100000000000000000000000.0	100000000000000000000000.1-200000000000000000000000.0	200000000000000000000000.1-500000000000000000000000.0	500000000000000000000000.1-1000000000000000000000000.0	1000000000000000000000000.1-2000000000000000000000000.0	2000000000000000000000000.1-5000000000000000000000000.0	5000000000000000000000000.1-10000000000000000000000000.0	10000000000000000000000000.1-20000000000000000000000000.0	20000000000000000000000000.1-50000000000000000000000000.0	50000000000000000000000000.1-100000000000000000000000000.0	100000000000000000000000000.1-200000000000000000000000000.0	200000000000000000000000000.1-500000000000000000000000000.0	500000000000000000000000000.1-1000000000000000000000000000.0	1000000000000000000000000000.1-2000000000000000000000000000.0	2000000000000000000000000000.1-5000000000000000000000000000.0	5000000000000000000000000000.1-10000000000000000000000000000.0	10000000000000000000000000000.1-20000000000000000000000000000.0	20000000000000000000000000000.1-50000000000000000000000000000.0	50000000000000000000000000000.1-100000000000000000000000000000.0	100000000000000000000000000000.1-200000000000000000000000000000.0	200000000000000000000000000000.1-500000000000000000000000000000.0	500000000000000000000000000000.1-1000000000000000000000000000000.0	1000000000000000000000000000000.1-2000000000000000000000000000000.0	2000000000000000000000000000000.1-5000000000000000000000000000000.0	5000000000000000000000000000000.1-10000000000000000000000000000000.0	10000000000000000000000000000000.1-20000000000000000000000000000000.0	20000000000000000000000000000000.1-50000000000000000000000000000000.0	50000000000000000000000000000000.1-100000000000000000000000000000000.0	100000000000000000000000000000000.1-200000000000000000000000000000000.0	200000000000000000000000000000000.1-500000000000000000000000000000000.0	500000000000000000000000000000000.1-1000000000000000000000000000000000.0	1000000000000000000000000000000000.1-2000000000000000000000000000000000.0	2000000000000000000000000000000000.1-5000000000000000000000000000000000.0	5000000000000000000000000000000000.1-10000000000000000000000000000000000.0	10000000000000000000000000000000000.1-20000000000000000000000000000000000.0	20000000000000000000000000000000000.1-50000000000000000000000000000000000.0	50000000000000000000000000000000000.1-100000000000000000000000000000000000.0	100000000000000000000000000000000000.1-200000000000000000000000000000000000.0	200000000000000000000000000000000000.1-500000000000000000000000000000000000.0	500000000000000000000000000000000000.1-1000000000000000000000000000000000000.0	1000000000000000000000000000000000000.1-2000000000000000000000000000000000000.0	2000000000000000000000000000000000000.1-5000000000000000000000000000000000000.0	5000000000000000000000000000000000000.1-10000000000000000000000000000000000000.0	10000000000000000000000000000000000000.1-20000000000000000000000000000000000000.0	20000000000000000000000000000000000000.1-50000000000000000000000000000000000000.0	50000000000000000000000000000000000000.1-100000000000000000000000000000000000000.0	100000000000000000000000000000000000000.1-200000000000000000000000000000000000000.0	200000000000000000000000000000000000000.1-500000000000000000000000000000000000000.0	500000000000000000000000000000000000000.1-1000000000000000000000000000000000000000.0	1000000000000000000000000000000000000000.1-2000000000000000000000000000000000000000.0	2000000000000000000000000000000000000000.1-5000000000000000000000000000000000000000.0	5000000000000000000000000000000000000000.1-100.0	100.1-200.0	200.1-500.0	500.1-1000.0	1000.1-2000.0	2000.1-5000.0	5000.1-100.0	100.1-200.0	200.1-500.0	500.1-1000.0	1000.1-2000.0	2000.1-5000.0	5000.1-100.0	100.1-200.0	200.1-500.0	500.1-1000.0	1000.1-2000.0	2000.1-5000.0	5000.1-100.0	100.1-200.0	200.1-500.0	500.1-1000.0	1000.1-2000.0	2000.1-5000.0	5000.1-100.0	100.1-200.0	200.1-500.0	500.1-1000.0	1000.1-2000.0	2000.1-5000.0	5000.1-100.0	100.1-200.0	200.1-500.0	500.1-1000.0	1000.1-2000.0	2000.1-5000.0	5000.1-100.0	100.1-200.0	200.1-500.0	500.1-1000.0	1000.1-2000.0	2000.1-5000.0	5000.1-100.0	100.1-200.0	200.1-500.0	500.1-1000.0	1000.1-200.0	2000.1-500.0	5000.1-1000.0	100.1-2000.0	200.1-5000.0	500.1-1000.0	1000.1-2000.0	2000.1-5000.0	500

NAVWEASERVCOM

EXTREME VALUES

PRECIPITATION
(FROM DAILY OBSERVATIONS)

22514

BARBERS POINT, HAWAII

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	5.05	3.16	.10	.04	.03	.27	.20	.05	.05	.15	.07	1.73	
50	4.41	.77	.60	.92	.89	.20	.05	.23	.05	.07		2.69	
51	.58	1.88	3.47	.33	.02	.17	.10	.33	1.37	2.09	.13	1.84	3.47
52	3.44	TRACE	.28	.02	.48	.05	.42	TRACE	.02	1.75	.36	.24	3.44
53	.33	.78	.80	.03	.26	TRACE		TRACE	.08	.01	.02	1.65	
54	.27	1.39	1.04	2.87	.04	.03	.12	.11	.60	.11	7.03	.75	7.03
55	2.57	4.62		.22	.57	.01	.01	.07	.18	.72	1.16	2.70	
56	3.07	1.84	.07	.24	.47	TRACE	1.21	.13	.10	.23	2.17	2.36	3.07
57	3.97	.19	.07	.48	TRACE	.07	.05	.08	.02	TRACE	2.45	1.68	3.97
58	.22	1.15	10.51	.07	.05	.10	.19	.64	.10	2.11	.05	1.14	10.51
59	1.47	2.20		.08	.46	.03	.09	1.90	.15	.73	1.09	.08	
60	.18	.10	.53	.02	1.55	.08	.21	.06	.34	.91	.14	.82	1.55
61	2.35	.31	.16	.45	.08	.31	.17	.04	.11	1.60	.36	1.07	2.55
62	1.36	1.06	1.75	1.24	.34	.20	.03	.13	.14	1.26	.01	1.68	1.75
63	5.25		2.20	3.01	.96	.96	.16	.10	1.05	.11	.19	.75	
64	1.53	.03	1.25	.78	.12	.02	.18	.07	.10	.05	2.30	1.67	2.30
65	1.19	.35	.33	.27	1.94	.03	.33	.11	.45	3.98	3.60	3.97	3.98
66	.81	1.88	.29	.24	.22	.03	.05	.07	.27	.37	2.14	.67	2.14
67	.25	1.16	1.18	.22	.37	.31	.31	1.27	.36	.23	.28	1.94	1.94
68	5.02	.66	.80	.96	1.12	.15	.15	TRACE	.20	1.06	1.49	1.88	5.02
69	3.77	.01	1.12	.06	.29	.03	.29	.01	.35	.08	1.33	.12	3.77
70	.58	.18	.06	.08	.10	.05		.02	.07	1.21	1.33	.05	
71	1.73	1.72	.73	1.16	.37	1.37	TRACE	.27	.34	.60	.67	.50	1.73
72	4.75	1.53	.69	2.85	.16	.18	.07	.10	.98	1.87	.30	4.70	4.75
73	1.18	.84	.25	.29	.59	.04	.20	.11	.04		3.03	1.34	
74	1.20	.40	.84	3.90	.09	1.20	.17	TRACE	.19	1.09	.29	.08	3.90
75	1.78	3.75	1.42	.09	.37	.04	.14	TRACE	.05	.05	3.24	.24	3.75
76	.25	3.80	.39	.70	.04	.07	.05	.06	.20	.05	.19	.09	3.80
77	.27	.04	.22	.57	3.07	.43	.05	.08	.04	.16	.51	.67	3.07
MEAN	2.04	1.28	1.15	.77	.52	.23	.19	.21	.29	.81	1.29	1.35	3.69
S. D.	1.722	1.265	2.019	1.047	.678	.355	.230	.411	.340	.931	1.561	1.156	2.032
TOTAL OBS.	899	791	837	870	899	870	837	899	840	868	840	899	10349

PRECIPITATION
FROM DAILY OBSERVATIONS)

STATION	STATION NAME	YEARS
22516	BARBERS POINT, HAWAII	49-77

24 HOUR AMOUNTS IN INCHES
/BASED ON LESS THAN FULL MONTHS/

[illegible]

NAVWEASERVCOM

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

22514 BARBERS POINT, HAWAII 49-55, 57, 63-64, 66-77

STATION NAME

STATION

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
50	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
51	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
52	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
53	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
54	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
55						.0							
56						.0							
57													
58													
59													
60													
61													
62													
63													
64	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
65	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
66	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
67	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
68	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
69	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
70	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
71	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
72	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
73	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
74	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
75	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
76	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
77	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0
MEAN	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	527	481	496	510	558	570	558	527	540	527	540	589	6423

NAVWEASERVCOM

5723 Extreme Values Jan 1969

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

 22514 STATION BARBERS POINT, HAWAII STATION NAME
 49-55, 57, 63-64, 66-77 YEARS

 24 HOUR AMOUNTS IN INCHES
 /BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
50											.0 29		SNOWFALL DAYS
53	0					0				0			SNOWFALL DAYS
54		0	0	0	0			0	0	0	0	0	SNOWFALL DAYS
55	0	0	0	0	.0 1		0	0	0	0	0	0	SNOWFALL DAYS
56	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
57	0	0	0	0	0	0	.0 3	0	0	0	0	0	SNOWFALL DAYS
58	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
59	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
60	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
61	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
62	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
63	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
64		0	.0 27				0	.0 30					SNOWFALL DAYS
65	0	0	0	0	0	0	0	0	0	0	0	0	SNOWFALL DAYS
67	0	0	0	0									SNOWFALL DAYS
MEAN													
S. D.													
TOTAL OBS.													

EXTREME VALUES

22514 STATION BARBERS POINT, HAWAII SNOW DEPTH
 49-55, 57, 60, 63-64, 66-77
 (FROM DAILY OBSERVATIONS)
 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	0	0	0	0	0	0	0	0	0	0	0	0	
50	0	0	0	0	0	0	0	0	0	0	0	0	
51	0	0	0	0	0	0	0	0	0	0	0	0	0
52	0	0	0	0	0	0	0	0	0	0	0	0	0
53	0	0	0	0	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	0
58	0	0	0	0	0	0	0	0	0	0	0	0	0
59	0	0	0	0	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0	0	0	0
63	0	0	0	0	0	0	0	0	0	0	0	0	0
64	0	0	0	0	0	0	0	0	0	0	0	0	0
65	0	0	0	0	0	0	0	0	0	0	0	0	0
66	0	0	0	0	0	0	0	0	0	0	0	0	0
67	0	0	0	0	0	0	0	0	0	0	0	0	0
68	0	0	0	0	0	0	0	0	0	0	0	0	0
69	0	0	0	0	0	0	0	0	0	0	0	0	0
70	0	0	0	0	0	0	0	0	0	0	0	0	0
71	0	0	0	0	0	0	0	0	0	0	0	0	0
72	0	0	0	0	0	0	0	0	0	0	0	0	0
73	0	0	0	0	0	0	0	0	0	0	0	0	0
74	0	0	0	0	0	0	0	0	0	0	0	0	0
75	0	0	0	0	0	0	0	0	0	0	0	0	0
76	0	0	0	0	0	0	0	0	0	0	0	0	0
77	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
S. D.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
TOTAL OBS.	496	481	496	510	558	570	558	527	540	527	540	589	6392

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

22514 BARBERS POINT, HAWAII

49-55, 57, 60, 63-64, 66-77

YEARS

STATION NAME

STATION

DAILY SNOW DEPTH IN INCHES
/BASED ON LESS THAN FULL MONTHS/

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	0												SND DPTH DAYS
50	30												SND DPTH DAYS
51											0		SND DPTH DAYS
52	0					0				0			SND DPTH DAYS
53		0	0	0	0			0	0	0	0	0	SND DPTH DAYS
54	0	0	0	0	1		0	0	0	0	0	0	SND DPTH DAYS
55	0	0	0	0				0	0	0	0	0	SND DPTH DAYS
56	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
57	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
58	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
59	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
60	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
61	0	0	0	0	0	0	0	0	0	0	0	1	SND DPTH DAYS
62	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
63	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
64			0					0					SND DPTH DAYS
65	0	0	0	0	0	0	0	0	0	0	0	0	SND DPTH DAYS
MEAN													
S. D.													
TOTAL OBS.													

NAVWEASERVCOM

5723 Extreme Values Jan 1969

NAVWEASERVCOM

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22514

STATION BARBERS POINT, HAWAII

STATION NAME

STATION NAME

JANUARY

MONTH

YEARS

1949-1977

FEBRUARY

MONTH

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.44	11	1974			
2	1.83	46	1969			
3	3.77	96	1969			
4	0.24	6	1953			
5	0.60	15	1971			
6	1.53	39	1964			
7	5.25	133	1963			
8	3.70	94	1949			
9	1.17	30	1930			
10	1.19	30	1965			
11	1.78	45	1975			
12	3.07	78	1956			
13	0.57	14	1971			
14	0.58	15	1970			
15	0.50	13	1957			
16	5.05	128	1949			
17	1.47	37	1959			
18	1.40	36	1957			
19	3.44	87	1952			
20	2.65	67	1957			
21	3.97	101	1957			
22	2.31	59	1950			
23	4.75	121	1972			
24	1.08	27	1957			
25	2.55	65	1961			
26	0.35	9	1961			
27	3.28	83	1968			
28	1.73	44	1971			
29	0.27	7	1956			
30	1.36	35	1975			
31	0.41	10	1975			
Monthly	5.25	133	1963			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	3.75	95	1975			
2	0.45	11	1954			
3	0.66	17	1968			
4	0.23	6	1972			
5	0.35	9	1976			
6	2.45	62	1976			
7	3.80	97	1976			
8	3.16	80	1949			
9	0.25	6	1961			
10	1.84	47	1956			
11	0.52	13	1967			
12	2.20	56	1959			
13	0.31	8	1961			
14	0.18	5	1970			
15	0.30	8	1968			
16	1.06	27	1962			
17	0.46	12	1962			
18	0.32	8	1951			
19	1.10	28	1951			
20	1.88	48	1951			
21	0.37	9	1968			
22	1.89	48	1955			
23	4.62	117	1955			
24	1.52	39	1955			
25	1.55	39	1955			
26	0.92	23	1954			
27	1.88	48	1966			
28	1.15	29	1958			
29	0.02	1	1960			
30						
31						
Monthly	4.62	117	1955			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION
22514

STATION NAME
BARBERS POINT, HAWAII

1949-1977

YEARS

MARCH

MONTH

APRIL

MONTH

DAILY EXTREME AMOUNTS

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	2.20	56	1963			
2	0.46	12	1972			
3	0.69	18	1972			
4	0.13	3	1955			
5	10.51	267	1958			
6	1.36	35	1958			
7	0.23	6	1960			
8	0.79	20	1962			
9	0.60	15	1950			
10	0.11	3	1951			
11	1.68	43	1951			
12	2.42	61	1951			
13	3.47	88	1951			
14	1.75	44	1962			
15	0.80	20	1968			
16	1.12	28	1969			
17	0.90	23	1954			
18	0.85	22	1963			
19	0.05	1	1964			
20	0.73	19	1971			
21	1.94	49	1951			
22	3.39	86	1955			
23	0.90	23	1964			
24	1.25	32	1964			
25	0.66	17	1951			
26	2.97	75	1951			
27	0.42	11	1951			
28	1.42	36	1975			
29	0.18	5	1963			
30	0.28	7	1971			
31	0.33	8	1975			
Monthly	10.51	267	1958			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.78	20	1964			
2	1.36	35	1963			
3	2.79	71	1963			
4	0.78	20	1963			
5	0.06	2	1974			
6	0.13	3	1965			
7	0.05	1	1965			
8	0.32	8	1963			
9	0.09	2	1968			
10	0.69	18	1963			
11	0.24	6	1966			
12	0.09	2	1975			
13	1.13	29	1963			
14	1.82	46	1963			
15	3.01	76	1963			
16	0.92	23	1950			
17	0.96	24	1968			
18	0.57	14	1977			
19	3.90	99	1974			
20	0.51	13	1964			
21	0.29	7	1973			
22	0.33	8	1950			
23	0.21	5	1968			
24	1.16	29	1971			
25	1.24	31	1962			
26	0.22	6	1977			
27	0.43	11	1950			
28	0.15	4	1976			
29	2.87	73	1954			
30	0.33	8	1951			
31						
Monthly	3.90	99	1974			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

1949-1977
YEARS

DAILY EXTREME AMOUNTS

5724 DAILY AMOUNT MAR 1978

MAY
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.26	7	1953			
2	1.94	49	1965			
3	0.39	10	1965			
4	0.26	7	1965			
5	0.29	7	1969			
6	0.06	2	1973			
7	0.04	1	1958			
8	0.16	4	1953			
9	0.19	5	1962			
10	2.69	68	1977			
11	0.91	23	1977			
12	1.55	39	1960			
13	0.37	9	1960			
14	3.07	78	1977			
15	0.47	12	1956			
16	0.89	23	1950			
17	0.05	1	1967*			
18	0.37	9	1967			
19	0.43	11	1965			
20	0.22	6	1966			
21	0.46	12	1959			
22	0.48	12	1952			
23	0.37	9	1975			
24	0.02	1	1967			
25	0.04	1	1967			
26	0.03	1	1961			
27	0.57	14	1955			
28	0.59	15	1973			
29	0.07	2	1967			
30	0.37	9	1971			
31	0.02	1	1951			
Monthly	3.07	78	1977			

JUNE
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.20	5	1962			
2	T	T	1977*			
3	0.18	5	1972			
4	0.04	1	1974*			
5	0.43	11	1977			
6	T	T	1973*			
7	0.15	4	1968			
8	0.05	1	1974			
9	0.03	1	1961			
10	0.05	1	1972*			
11	0.96	24	1963			
12	0.27	7	1949			
13	0.20	5	1950			
14	T	T	1977*			
15	1.37	35	1971			
16	0.25	6	1971			
17	T	T	1977*			
18	0.01		1972			
19	1.20	30	1974			
20	0.02	1	1970*			
21	0.03	1	1949			
22	0.06	2	1974			
23	0.01		1974*			
24	0.03	1	1972*			
25	0.07	2	1957*			
26	0.03	1	1970			
27	0.08	2	1960			
28	0.22	6	1974			
29	0.35	9	1974			
30	0.51	13	1967			
31						
Monthly	1.37	35	1971			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22514

BARBERS POINT, HAWAII

STATION

STATION NAME

JULY

MONTH

YEARS

1949-1977

DAILY EXTREME AMOUNTS

AUGUST

MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.31	8	1967			
2	0.20	5	1973			
3	0.02	1	1953			
4	0.12	3	1954			
5	0.07	2	1959			
6	0.21	5	1960			
7	0.10	3	1967			
8	0.10	3	1965			
9	0.33	8	1965			
10	0.14	4	1958			
11	0.14	4	1975			
12	0.17	4	1974			
13	0.02	1	1968*			
14	0.12	3	1963			
15	0.42	11	1952			
16	0.10	3	1951			
17	0.17	4	1961			
18	0.04	1	1950			
19	1.21	31	1956			
20	0.01		1959			
21	0.06	2	1964			
22	0.08	2	1958			
23	0.18	5	1964			
24	0.19	5	1958			
25	0.29	7	1969			
26	0.27	7	1969			
27	0.16	4	1963			
28	0.05	1	1954			
29	0.09	2	1959			
30	0.02	1	1957			
31	0.07	2	1972			
Monthly	1.21	31	1956			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.10	3	1962			
2	0.64	16	1958			
3	0.08	2	1957			
4	0.06	2	1971			
5	0.11	3	1954			
6	1.90	48	1959			
7	0.33	8	1951			
8	0.53	13	1958			
9	1.27	32	1967			
10	0.01		1972			
11	0.04	1	1966			
12	0.01		1970			
13	0.13	3	1962			
14	0.04	1	1950			
15	0.23	6	1950			
16	0.10	3	1963			
17	0.13	3	1956			
18	0.07	2	1955			
19	0.02	1	1949			
20	0.04	1	1958			
21	0.01		1963			
22	0.04	1	1965			
23	0.04	1	1973*			
24	0.07	2	1966			
25	0.04	1	1967			
26	0.11	3	1963			
27	0.02	1	1973*			
28	0.06	2	1960			
29	0.04	1	1962			
30	0.10	3	1972			
31	0.08	2	1957			
Monthly	1.90	48	1959			

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION
22514

STATION NAME
BARBERS POINT, HAWAII

SEPTEMBER
MONTH

YEARS

1949-1977

DAILY EXTREME AMOUNTS

OCTOBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.98	25	1972			
2	0.03	1	1951			
3	0.04	1	1968			
4	0.03	1	1969			
5	0.13	4	1959			
6	0.10	3	1958			
7	0.04	1	1960			
8	0.23	6	1951			
9	0.03	1	1975			
10	0.01		1964			
11	0.02	1	1957			
12	0.04	1	1949			
13	0.45	11	1965			
14	0.04	1	1977			
15	0.02	1	1956			
16	0.17	4	1963			
17	1.05	27	1963			
18	1.37	35	1951			
19	0.02	1	1970*			
20	0.14	4	1968			
21	0.35	9	1969			
22	0.18	5	1955			
23	0.49	12	1971			
24	0.31	8	1965			
25	0.54	14	1971			
26	0.03	1	1968			
27	0.15	4	1963			
28	0.27	7	1966			
29	0.60	15	1954			
30	0.10	3	1960			
31						
Monthly	1.37	35	1951			

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.06	27	1968			
2	0.50	13	1970			
3	1.21	31	1970			
4	0.14	4	1958			
5	0.06	2	1962			
6	0.16	4	1961			
7	0.05	1	1975*			
8	0.04	1	1954			
9	0.37	9	1966			
10	0.11	3	1954			
11	0.10	3	1956			
12	0.71	18	1965			
13	3.98	101	1965			
14	0.33	8	1973			
15	0.21	5	1952			
16	1.75	44	1952			
17	0.11	3	1960			
18	1.26	32	1962			
19	1.60	41	1961			
20	0.91	23	1960			
21	0.04	1	1969			
22	0.23	6	1958			
23	2.11	54	1958			
24	0.69	18	1958			
25	0.16	4	1977			
26	0.08	2	1969			
27	2.09	53	1951			
28	1.87	47	1972			
29	1.14	29	1952			
30	0.87	22	1951			
31	0.73	19	1959			
Monthly	3.98	101	1965			

* ALSO ON EARLIER YEARS
T - TRACE, AN AMOUNT TOO SMALL TO MEASURE
BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

5724 DAILY AMOUNTS MAR 1978

5724

5724

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

1949-1977
YEARS

NOVEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	0.34	9	1973			
2	1.09	28	1959			
3	0.13	3	1951			
4	0.72	18	1966			
5	2.14	54	1966			
6	1.22	31	1966			
7	0.19	5	1963			
8	0.66	17	1965			
9	0.67	17	1955			
10	3.56	90	1965			
11	2.01	51	1965			
12	3.60	91	1965			
13	0.13	3	1959			
14	1.60	41	1965			
15	0.26	7	1969			
16	2.17	55	1956			
17	1.92	49	1956			
18	1.20	30	1956			
19	0.12	3	1950			
20	0.96	24	1973			
21	2.45	62	1957			
22	0.51	13	1977			
23	2.30	58	1964			
24	0.88	22	1975			
25	3.24	82	1975			
26	2.77	70	1975			
27	0.27	7	1975			
28	7.03	179	1954			
29	3.03	77	1973			
30	1.49	38	1968			
31	7.03	179	1954			
Monthly						

* ALSO ON EARLIER YEARS

T - TRACE, AN AMOUNT TOO SMALL TO MEASURE

BLANK UNDER SNOWFALL INDICATES NO SNOWFALL FOR PERIOD OF RECORD

DIRNAVOCEANMET-SMOS

DAILY EXTREME AMOUNTS

DECEMBER
MONTH

DAY	PRECIPITATION GREATEST			SNOWFALL GREATEST		
	INCHES	MM	DATE	INCHES	MM	DATE
1	1.68	43	1957			
2	0.14	4	1973*			
3	2.69	68	1950			
4	0.82	21	1960			
5	1.07	27	1961			
6	2.36	60	1956			
7	0.23	6	1962			
8	1.40	36	1967			
9	0.87	22	1967			
10	0.94	24	1951			
11	0.17	4	1963			
12	0.38	10	1953			
13	0.12	3	1975			
14	3.97	101	1965			
15	0.75	19	1954			
16	1.29	33	1951			
17	1.56	40	1949			
18	4.70	119	1972			
19	2.70	69	1955			
20	2.35	60	1953			
21	0.79	20	1953			
22	0.10	3	1963			
23	0.57	14	1964			
24	0.87	22	1962			
25	1.88	48	1968			
26	0.75	19	1963			
27	0.55	14	1953			
28	0.94	24	1967			
29	1.14	29	1958			
30	1.34	34	1973			
31	1.84	47	1951			
Monthly	4.70	119	1972			

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from 3-hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1 1/2 mile, and/or visibility 1 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

EXTREME VALUES

SURFACE WINDS (FROM DAILY OBSERVATIONS)

22514

BARBERS POINT, HAWAII

STATION NAME

49-77

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49				ENE 33NE	27NE	28ENE	32NE	32NE	33ENE 34NE	33ENE 34NE	32NE	36NE	31	
50	WSW 46NE	30ENE 37ENE	34ENE	38ENE	38ENE	32NE	32WSW	36ENE	34ENE	30NE	27NE	37	WSW 46	
51	ENE 43	E 51E	30E	32ENE	32ENE	37ENE	34E	30E	35E	37E	37			
52	E 38E	36ENE 49ENE	35ENE	34ENE	38ENE	31ENE	35E	34NE	29ENE	41ENE	35	ENE 49		
53	W 34ENE	36ENE 35E	34NE	36ENE	39ENE	32E	39NE	34NE	34ENE	38NE	35	ENE 39		
54	NNE 47NNE	44SSE 35NE	31NE	35NE	36NE	35ENE	35ENE	36SSE	41ENE	39	NNE 47			
55	NNE 45SSW	31NE 36NE	37NE	32ENE	32NE	34NE	28NE	26NE	28SW	42SW	45	SSW 51		
56	SSW 60W	33NE 27NE	30ENE	26NE	34NE	27NNE	26NE	26NE	28SW	29W	41	SSW 60		
57	SSW 42WSW	41NNE 32NNE	29ENE	26SSE	28NE	30ENE	34ENE	26N	25NE	35NE	44	NE 44		
58	NE 33WSW	34SSE 33ENE	31ENE	30ENE	28E	36E	30NE	30ENE	29NNW	29	E 36			
59	WNW 47W	34NE 30NNE	32NE	30ENE	27ENE	26SE	45ENE	28NNE	22NNE	32ENE	39	WNW 47		
60	ENE 27N	37NNE 30ENE	28NE	26E	25ENE	26NE	24ENE	27NE	24ENE	26NW	27	N 37		
61	WSW 33NNE	27ENE 27NNE	33ENE	35ENE	28NE	25ENE	26ENE	28ENE	27NW	29S	26	ENE 35		
62	SSW 33NW	32E 26S	25NE	24ENE	22NE	26ENE	24NE	26ENE	22ENE	27NW	26	SSW 33		
63	WSW 49W	36ESE 32SSW	26NE	25ENE	26NE	25ENE	26SE	42NE	24NNE	27NNW	23	WSW 49		
64	ENE 26NE	28ENE 27NE	30NNE	28ENE	27ENE	28NE	27NE	28ENE	27NNE	28ENE	29NNW	38	WNW 38	
65	N 37N	26NE 25NNE	27S	23ENE	28NE	24	SE	20W	22SE	47				
66	W 30NE	28NE 33	NE	24NE	27ENE	25W	23	S	33E	28				
67	NE 29ENE	29SW 26NNE	25ENE	23E	22ENE	23SE	25ENE	27ENE	31E	34ESE	38	ESE 38		
68	NNW 44W	40NNE 27NW	36NE	22ENE	26E	27NE	28NE	23S	29SE	27SW	31	NNW 44		
69	W 31NE	32NE 27NE	29NE	25E	24ENE	26NE	27NE	25NE	22E	27NE	41	NE 41		
70	WSW 39NE	29E 26ENE	29NE	28NE	25	25	NE	26NE	24SSW	26NE	25ENE	33		
71	W 4227	2905	2707	2605	2409	2707	2608	2709	2406	2506	2713	33	W 42	
72	15 3322	3124	2907	2706	2906	2606	2706	2708	2626	3009	2724	29	15 33	
73	06 2802	2907	3002	2810	2808	2807	3009	2912	26	16	2621	34		
74	24 3209	2420	3410	3012	2606	2406	2407	2713	2205	2607	3009	30	20 34	
75	17 3717	3305	2807	2714	2406	2609	2706	2706	2608	2620	4130	27	20 41	
76	21 4302	3307	3206	3006	3208	3005	2906	2707	2903	3630	3630	30		
77	18 2405	3006	3702	3518	3007	2506	3406	3006	3204	3507	3214	36	06 37	
MEAN	37.7	33.4	31.9	30.7	26.5	28.3	28.5	30.1	26.1	28.0	32.3	33.6	41.9	
S. D.	8.498	5.982	6.762	3.656	4.468	4.376	3.656	5.140	4.750	4.155	6.001	5.794	6.833	
TOTAL OBS.	800	761	865	869	866	869	865	864	869	836	868	860	10192	

NAVWEASERVCOM

5723 Extreme Values Jan 1969

49-77

STATION NAME

YEARS

SURFACE WINDS
[FROM DAILY OBSERVATIONS]

DAILY PEAK GUSTS IN KNOTS
/BASED ON LESS THAN 90% OBSERVATIONS FOR MONTH/

[illegible]

NAVWEASERVCOM

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII

STATION NAME

73-77

YEARS

JAN

MONTH

ALL WEATHER

CLASS

02

MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE	.6	2.6	3.2	.6								7.1	7.8
NE	1.9	21.9	4.5	.6								29.0	5.6
ENE	3.2	18.1	9.0	1.3								31.6	6.0
E	1.9	5.8	3.9									11.6	5.7
ESE													
SE				.6								.6	12.0
SSE													
S		1.3	1.3	1.3	.6							4.5	10.3
SSW			1.9	1.3								3.2	11.6
SW			.6	1.3								1.9	11.0
WSW			.6	1.3								1.9	13.7
W			1.3	2.6		.6						4.5	13.1
WNW		.6										.6	5.0
NW	.6		.6									1.3	4.5
NNW													
VARBL													
CALM												1.3	
	8.4	51.0	27.1	11.0	.6	.6						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514

STATION BARBERS POINT, HAWAII

73-77

STATION NAME

YEARS

JAN

MONTH

ALL WEATHER

CLASS

05

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	1.3	.6									1.9	5.3
NNE	1.3	4.5	2.6	1.3								9.7	6.7
NE	3.2	23.9	2.6	.6								30.3	5.0
ENE	4.5	21.3	7.1	.6								33.5	5.4
E		3.9	2.6	.6								7.1	7.4
ESE													
SE													
SSE													
S			.6	1.3	.6							2.6	13.5
SSW			1.9	4.5								6.3	10.9
SW			.6									.6	7.0
WSW			1.3	2.6	.6							4.5	12.6
W			.6	1.3								1.9	12.7
WNW													
NW		.6										.6	6.0
NNW													
VARBL													
CALA													
	9.0	55.5	20.6	12.9	1.3							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

135

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE	1.3	3.2	2.6	1.3								8.4	7.2
NE	6.5	21.4	2.6									30.5	4.8
ENE	3.2	20.8	7.8	1.9								33.8	5.9
E	.6	1.3	5.2									7.1	7.3
ESE		.6		.6								1.3	8.5
SE			.6									.6	8.0
SSE													
S			1.3	1.3								2.6	10.3
SSW				3.2	.6							3.9	12.8
SW	.6	.6	.6									1.9	6.0
WSW			1.9	3.2								3.2	12.0
W	.6	.6		.6								1.9	7.7
WNW		.6										.6	5.0
NW	.6											.6	2.0
NNW		.6										.6	6.0
VARBL													
CALM												.0	
	14.3	50.0	22.7	12.3	.6							100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JAN
MONTH

11
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	10.0
NNE			.6	1.3								1.9	13.7
NIE		1.9	.6	1.9								4.5	9.3
ENE		1.3	7.7	3.2								12.3	9.7
E		1.9	10.3	7.7								20.0	10.0
ESE		4.5	3.9	1.9								10.3	7.8
SE		3.2	3.9	1.3		.6						9.0	9.1
SSE		3.9	4.5	.6								9.0	7.2
S	.6	5.2	3.2	4.5								13.5	8.3
SSW		.6	3.2	1.3	.6							5.8	10.1
SW	.6	.6	1.3	2.6								5.2	9.9
WSW			1.9	.6	.6							3.2	11.8
W			1.9	1.9		.6						2.6	15.8
WNW													
NW			.6	.6								1.3	10.0
NNW													
VARBL													
CALM												.6	
	1.3	23.2	42.6	29.7	1.3	1.3						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22514

STATION NAME
BARBERS POINT, HAWAII

YEARS
73-77

MONTH
JAN

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6		1.3								1.9	10.0
NNE				1.9								1.9	13.3
NE		.6		2.6								3.2	12.6
ENE		3.2	3.9	2.6	1.3							11.0	9.9
E		1.9	4.5	6.5	.6							13.5	10.9
ESE			2.6	1.3								3.9	10.8
SE			3.9	5.2								9.0	10.6
SSE			3.2	2.6		.6						6.5	12.1
S	.6	2.6	7.1	3.2								13.5	9.1
SSW		.6	5.2	2.6	1.3							9.7	11.0
SW		.6	5.2	2.6								8.4	9.4
WSW		.6	1.9	3.9								6.5	11.6
W			3.2	1.9	.6							5.8	12.0
WNW		.6	1.9	1.3								3.9	10.0
NW		.6		.6								1.3	9.5
NNW													
VARBL													
CALM												.0	
	.6	12.3	42.6	40.0	3.9	.6						100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII

73-77

STATION NAME

YEARS

JAN

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6												
NNE			.6	1.3	.6							3.2	10.6
NIE		1.3	1.3	4.5								7.1	10.9
ENE		.6	9.7	7.7								18.1	10.5
E		1.9	3.9	5.2								11.0	10.2
ESE			.6									.6	8.0
SE		1.3	3.9	1.3		.6						7.1	10.1
SSE	.6	.6	1.3	.6								3.2	6.6
S	.6	.6	7.1	3.9								12.3	9.2
SSW	.6	1.9	4.5	2.6	.6							10.3	8.9
SW	.6	1.3	3.2	1.3								6.5	8.2
WSW		1.3	3.2	1.3	1.3							7.1	10.5
W		1.3	3.2	2.6								7.1	10.3
WNW		1.3	.6	2.6								4.5	10.0
NW			1.3	.6								1.9	9.7
NNW													
VARBL													
CALM												.0	
	3.2	13.5	44.5	35.5	2.6	.6						100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.6	.6	.6								2.6	6.3
NNE		1.9	6.5	2.6								11.0	8.7
NE	1.3	5.8	3.2	1.9								12.3	6.4
ENE	3.2	14.8	6.5	1.3								25.8	5.9
E	1.3	5.2	5.8	.6								12.9	6.5
ESE	.6	.6										1.3	3.0
SE		.6		.6								1.3	11.0
SSE		.6	.6		.6							1.9	11.0
S	.6	1.3	3.2	.6	.6							6.5	8.5
SSW	1.3		1.3	1.9								4.5	8.3
SW		1.3	1.9	1.3								4.5	8.4
WSW		2.6		1.9								4.5	9.0
W	.6			2.6	1.3							4.5	12.6
WNW	.6		1.3									1.9	6.7
NW		1.9										1.9	4.7
NNW	.6	.6	.6									1.9	4.7
VARBL													
CALM												.6	
	11.0	38.1	31.6	16.1	2.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JAN
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.3									1.3	7.5
NNE		2.6	3.2	1.9								7.7	8.0
NE	3.2	14.8	5.2	1.9								25.2	5.7
ENE	5.6	15.5	9.7	1.3								32.3	5.6
E	1.3	5.2	3.9									10.3	5.9
ESE	.6											.6	2.0
SE													
SSE													
S		.6	1.9	2.6	.6							5.8	11.2
SSW			3.9									3.9	8.3
SW		1.3	.6	.6								2.6	9.0
WSW		.6	1.3	2.6	.6							4.5	12.6
W			.6	1.9								3.2	11.6
WNW													
NW													
NNW			.6									.6	8.0
VARBL													
CALM												1.9	
	11.0	40.6	32.3	12.9	1.3							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII

STATION NAME

73-77

YEAR

JAN

MONTH

ALL WEATHER

CLASS

ALL

MOUSE (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.4	.4	.2								1.2	6.9
NNE	.5	1.9	2.4	1.5	.1							6.4	8.3
NE	2.0	11.5	2.5	1.8								17.8	5.9
ENE	2.5	11.9	7.7	2.5	.2							24.8	6.7
E	.6	3.4	5.0	2.6	.1							11.7	8.3
ESE	.2	.7	.9	.5								2.3	8.0
SE		.6	1.5	1.1		.2						3.3	10.0
SSE	.1	.6	1.2	.5	.1	.1						2.6	9.0
S	.5	1.5	3.2	2.3	.3							7.7	9.4
SSW	.2	.4	2.7	2.2	.4							6.0	10.1
SW	.2	.7	1.8	1.2								4.0	8.9
WSW		.6	1.5	2.2	.4							4.7	11.5
W	.2	.3	1.1	1.9	.2	.2						4.0	11.9
WNW	.1	.4	.5	.5								1.5	8.9
NW	.2	.4	.3	.2								1.1	7.1
NNW	.1	.2	.2									.4	5.6
VARBL													
CALM												.6	
	7.3	35.5	33.0	21.3	1.8	.4						100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

1239

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

5702 SURFACE WINDS JAN 78

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			1.4	.7								2.1	9.3
NNE	.7	6.4	7.1	1.4		.7						16.3	8.1
NE	3.5	11.3	7.8	2.8								25.5	6.3
ENE	1.4	30.5	9.2	1.4								42.6	6.0
E		4.3	2.1	.7								7.1	6.5
ESE													
SE					.7							.7	18.0
SSE					.7							.7	21.0
S			.7	1.4	.7							2.8	14.3
SSW													
SW				.7								.7	12.0
WSW		.7										.7	5.0
W													
WNW													
NW													
NNW		.7										.7	5.0
VARBL													
CALM												.0	
	5.7	53.9	28.4	9.2	2.1	.7						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

141

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.4	.7									2.8	5.3
NNE	.7	3.5	7.1	3.5								14.9	8.5
NE	.7	20.6	13.5	.7								35.5	6.4
ENE	2.8	22.0	7.8	1.4								34.0	5.8
E		3.5	2.8	.7								7.1	7.0
ESE													
SE													
SSE				.7								.7	15.0
S			.7	2.1								2.1	13.7
SSW												.7	8.0
SW													
WSW													
W													
WNW													
NW													
NNW		.7										.7	5.0
VARBL												1.4	
CALM													
	5.0	51.8	32.6	9.2								100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTH

08
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.4										1.4	5.0
NNE		4.3	5.0	2.1								11.3	8.0
NE	3.5	29.1	5.0	2.8								40.4	6.0
ENE	2.1	20.6	7.1	3.5								33.3	6.6
E	.7	2.1	2.1	.7								5.7	6.6
ESE													
SE													
SSE				.7	.7							1.4	15.5
S			.7	1.4	.7							2.8	14.5
SSW				.7								.7	13.0
SW													
WSW													
W													
WNW													
NW			.7	.7								1.4	10.0
NNW													
VARBL													
CALM												1.4	
	6.4	57.4	20.6	12.8	1.4							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7	.7	.7	2.8								5.0	10.6
NE		.7	5.7	7.1	.7							14.2	11.9
ENE		1.4	8.5	12.1								22.0	11.5
E		2.8	7.1	9.2								19.1	10.0
ESE		1.4	2.8	2.1								6.4	9.3
SE		1.4	5.7	1.4								8.5	8.5
SSE		2.1	3.5	3.5								9.2	9.3
S		1.4	5.7	1.4	.7							9.2	9.8
SSW			2.1	.7								2.8	11.3
SW													
WSW													
W	.7		1.4									2.1	6.0
WNW		.7										.7	6.0
NW													
NNW													
VARBL													
CALA												.7	
	1.4	12.8	43.3	40.4	1.4							100.0	10.2

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.7	.7	2.1								3.5	11.8
NE		1.4	2.1	7.8	.7							12.1	12.3
ENE			7.1	13.5	1.4							22.0	11.7
E		.7	7.1	7.8								15.6	11.0
ESE			2.8	2.1								5.0	11.4
SE	.7		2.8	5.0	.7							9.2	11.3
SSE			3.5	2.8	.7							7.1	11.1
S			5.0	5.0	.7							10.6	10.7
SSW			2.1	1.4								3.5	10.0
SW			2.1	1.4								3.5	11.2
WSW			.7	.7								1.4	11.0
W			1.4	2.1								3.5	10.2
WNW			.7	2.1								2.8	11.8
NW													
NNW													
VARBL													
CALM												.0	
	.7	2.8	38.3	53.9	4.3							100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N				.7								.7	13.0
NNE			1.4	2.1	1.4							5.0	14.0
NE			4.3	4.3	1.4							9.9	12.3
ENE		1.4	15.6	14.9	2.1							34.0	11.2
E		2.1	5.0	4.3								11.3	9.7
ESE			2.1	.7								2.8	10.8
SE			.7	2.1	.7							3.5	13.6
SSE			2.1	.7	.7							3.5	11.0
S		.7	2.8	2.1	.7							6.4	10.8
SSW		2.1	5.0									7.1	7.7
SW		1.4	1.4									2.8	7.5
WSW			.7									.7	10.0
W		.7	3.5	1.4								5.7	9.5
WNW				2.1								2.1	13.7
NW			.7	2.8								3.5	11.2
NNW													
VARBL													
CALM												.7	
		8.5	45.4	38.3	7.1							100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		2.8	1.4	.7								5.0	7.1
NNE	.7	3.5	7.8	2.8								14.9	8.6
NE	.7	5.7	6.4	2.8								15.6	7.5
ENE	.7	17.0	13.5	5.0								36.2	7.5
E	1.4	4.3	2.1	.7								8.3	5.8
ESE	1.4											1.4	3.0
SE	.7											.7	2.0
SSE				1.4								1.4	12.5
S		.7	.7	.7	.7							2.1	14.0
SSW		.7	.7									1.4	6.0
SW	.7	2.1										2.8	4.8
WSW	.7		1.4	.7								2.8	7.0
W		.7										.7	6.0
WNW		1.4	1.4									2.8	6.3
NW		.7	2.1									2.8	7.8
NNW			.7									.7	8.0
VARBL													
CALM												.0	
	7.1	39.7	37.6	14.9	.7							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

141

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII

73-77

YEARS

FEB

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7	1.4	.7							2.6	12.3
NNE	.7	4.3	8.5	2.6								16.3	8.1
NE		15.6	11.3									27.0	6.4
ENE	.7	25.5	9.9	1.4	.7							38.3	6.4
E	1.4	4.3	3.5	2.1								11.3	7.2
ESE													
SE													
SSE				.7								.7	16.0
S				.7	1.4							2.1	16.0
SSW		.7										.7	6.0
SW		.7										.7	4.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	2.8	51.1	34.0	9.2	2.6							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

141

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.7	.5	.4	.1							1.9	8.1
NNE	.4	2.9	4.8	2.5	.2	.1						10.9	8.9
NE	1.1	10.5	7.0	3.5	.4							22.5	7.5
ENE	1.0	14.8	9.8	6.6	.5							32.8	7.9
E	.4	3.0	4.0	3.3								10.7	8.6
ESE	.2	.2	1.0	.6								2.0	9.7
SE	.2	.2	1.2	1.1	.3							2.8	10.5
SSE		.3	1.2	1.3	.4							3.1	11.3
S		.4	1.9	1.9	.7							4.8	11.7
SSW		.4	1.3	.4								2.1	8.8
SW	.1	.5	.4	.3								1.3	8.1
WSW	.1	.1	.4	.2								.7	8.1
W	.1	.2	.8	.4								1.5	8.9
WNW		.3	.3	.5								1.1	9.9
NW		.1	.4	.4								1.0	9.7
NNW		.2	.1									.3	6.0
VARBL													
CALM												.5	
	3.6	34.8	35.0	23.5	2.5	.1						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

1128

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE	.6	4.5	1.3	.6	.6							7.7	7.3
NE	1.3	13.5	9.7	1.9								26.5	6.6
ENE	1.9	24.5	12.9	8.4	.6							48.4	7.2
E		3.9	7.1	.6								11.6	7.6
ESE													
SE													
SSE			.6									.6	7.0
S			.6	1.3								1.9	12.3
SSW													
SW			.6	.6								1.3	12.5
WSW				.6								.6	12.0
W													
WNW													
NW													
NNW													
VARBL													
CALM												.6	
	4.5	46.5	32.9	14.2	1.3							100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

HAR
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		3.2	3.9	2.6	.6							10.3	9.3
NE	.6	16.1	9.7	3.2								29.7	7.0
ENE	.6	22.6	16.1	2.6								41.9	6.7
E	1.3	3.2	5.2	1.9								11.6	7.8
ESE													
SE													
SSE													
S			.6	1.3	.6							2.6	12.3
SSW			.6	.6								1.3	12.0
SW				.6								.6	14.0
WSW													
W													
WNW				.6								.6	16.0
NW													
NNW		.6										.6	4.0
VARBL													
CALM												.6	
	2.6	45.8	36.1	13.5	1.3							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	1.3	4.5	2.6								9.0	8.8
NE	3.2	11.0	11.6	3.2								29.0	6.8
ENE	2.6	15.5	17.4	9.7	.6							45.8	8.1
E		2.6	5.2	1.3								9.0	8.3
ESE													
SE													
SSE													
S				.6								.6	11.0
SSW			1.9	.6	.6							3.2	11.8
SW				1.3								1.3	12.5
WSW													
W													
WNW			.6									.6	10.0
NW			.6									.6	9.0
NNW	.6											.6	2.0
VARBL													
CALM												.0	
	7.1	30.3	41.9	19.4	1.3							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

11
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE				.6	1.3							1.9	17.0
NE			3.9	5.2								9.0	11.8
ENE		.6	9.7	19.4	3.2	.6						33.5	12.5
E		1.9	6.5	14.8	1.3							24.5	11.6
ESE			.6	3.9								4.5	12.3
SE		.6	2.6	.6								3.9	8.8
SSE		.6	4.5									5.2	8.3
S	1.3	1.3	1.3	1.9								5.8	8.4
SSW		.6	1.9	1.3	.6							4.5	10.4
SW				1.3								1.3	13.0
WSW			.6	1.3	.6							2.6	13.5
W												.6	9.0
WNW			.6									1.9	12.3
NW			.6	1.3									
NNW													
VARBL												.0	
CALM													
	1.9	5.8	32.9	51.6	7.1	.6						100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEAR

MAR
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6			.6								1.3	9.0
NNE			.6	.6	1.3							2.6	15.5
NE		.6	1.3	2.6	.6							5.2	12.4
ENE			4.5	29.7	3.9	.6						38.7	13.8
E		.6	5.2	12.3	1.3							19.4	12.4
ESE			1.3	3.9								5.2	12.4
SE			.6	2.6								3.2	13.6
SSE			2.6	1.3	.6							4.5	11.3
S		.6	2.6	2.6								5.8	10.6
SSW		.6	.6	1.3								2.6	9.8
SW			.6	2.6								3.2	11.8
WSW			1.3	1.3								2.6	12.3
W			.6	.6								1.3	10.0
WNW			.6	3.2								3.9	13.2
NW			.6									.6	9.0
NNW													
VARBL													
CALM												.0	
	.6	2.6	23.2	65.2	7.7	.6						100.0	12.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	6.0
NNE		.6		.6	.6	.6						2.6	14.8
NE			2.6	6.5	.6							9.7	12.3
ENE		.6	9.0	34.2	3.9	.6						48.4	12.9
E		.6	4.5	5.8	1.3							12.3	11.5
ESE	.6	.6		.6								1.9	6.3
SE			1.3	2.6								3.9	11.5
SSE			.6	.6								1.3	10.0
S	.6	.6	2.6	.6								4.5	7.7
SSW		1.3	1.9	1.3								4.5	8.4
SW		.6	.6	1.9	.6							3.9	12.0
WSW			.6									.6	10.0
W			1.3	1.3								2.6	10.8
WNW				1.9	.6							2.6	13.8
NW				.6								.6	15.0
NNW													
VARBL													
CALM												.0	
	1.3	5.8	25.2	58.7	7.7	1.3						100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAR
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	1.3	2.6	1.9	1.3							7.7	10.0
NE		1.9	5.8	3.2								11.0	9.1
ENE	.6	14.8	27.1	11.0								53.5	8.4
E		4.5	4.5	2.6								11.6	7.8
ESE													
SE	.6											.6	2.0
SSE		.6	1.3	.6								2.6	9.5
S		1.9		.6								2.6	6.8
SSW		.6										.6	4.0
SW			1.3	1.9								3.2	11.6
WSW		.6										.6	4.0
W	.6	.6	1.3									2.6	5.8
WNW													
NW		1.3	.6									1.9	6.3
NNW													
VARBL													
CALM												1.3	
	2.6	28.4	44.5	21.9	1.3							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514

BARBERS POINT, HAWAII

STATION

STATION NAME

73-77

YEARS

MAR

MONTH

23

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	6.0
NNE		.6	3.2	1.3	.6							5.8	10.0
NE	1.9	8.4	9.0	2.6								21.9	6.9
ENE	2.6	18.7	20.6	5.8	.6							48.4	7.3
E		4.5	9.0	2.6								16.1	8.2
ESE													
SE													
SSE			.6	.6								1.3	12.5
S			.6									.6	8.0
SSW		.6	.6									1.3	6.5
SW			.6	1.3								1.9	13.0
WSW													
W			1.3									1.3	8.5
WNW													
NW													
NNW													
VARBL												.6	
CALM													
	4.5	33.5	45.8	14.2	1.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

0000

22514
STATION

BARBERS POINT, HAWAII

STATION NAME

73-77

YEAR

MAR

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2		.1								.5	5.8
NNE	.2	1.5	2.0	1.4	.8	.1						6.0	10.0
NE	.9	6.5	6.7	3.5	.2							17.7	7.9
ENE	1.0	12.2	14.7	15.1	1.6	.2						44.8	9.4
E	.2	2.7	5.9	5.2	.5							14.5	9.9
ESE	.1	.1	.2	1.0								1.5	11.3
SE	.1	.1	.6	.7								1.5	10.7
SSE	.2	.2	1.3	.4	.1							1.9	9.8
S	.2	.6	1.0	1.1	.1							3.1	9.4
SSW		.5	1.0	.6	.2							2.3	9.7
SW		.1	.5	1.5	.1							2.1	12.2
WSW		.1	.3	.4	.1							.9	11.7
W	.1	.1	.4	.2								.8	8.6
WNW			.4	.7	.1							1.2	12.4
NW		.2	.3	.2								.7	9.9
NNW	.1	.1										.2	3.0
VARBL													
CALM												.4	
	3.1	24.8	35.3	32.3	3.6	.3						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

1240

0000

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME BARBERS POINT, HAWAII YEARS 73-77 MONTH APR 02 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7	.7							1.3	17.0
NNE	1.3		2.7	2.0	.7							6.7	9.3
NE	.7	7.3	11.3	2.0								21.3	7.6
ENE	2.7	26.7	18.0	1.3								48.7	6.2
E	.7	7.3	12.7	1.3								22.0	7.2
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	5.3	41.3	44.7	7.3	1.3							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7										.7	6.0
NNE		.7	2.7	.7	2.0							6.0	11.4
NE	.7	12.0	11.3	2.0								26.0	7.2
ENE	2.0	26.7	20.7									49.3	6.2
E		8.7	6.7	.7								16.0	6.3
ESE			.7									.7	7.0
SE													
SSE													
S			.7									.7	10.0
SSW													
SW													
WSW													
W	.7											.7	3.0
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	3.3	48.7	42.7	3.3	2.0							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.7	9.0
NNE		2.0	2.7	4.7	.7	.7						10.7	11.3
NE	2.7	4.7	11.3	1.3	1.3							21.3	7.8
ENE	.7	10.0	21.3	8.7								40.7	8.4
E	.7	4.7	11.3	6.0								22.7	8.8
ESE		1.3		.7								2.0	6.7
SE													
SSE													
S				.7								.7	15.0
SSW			.7									.7	7.0
SW													
WSW													
W													
WNW			.7									.7	9.0
NW													
NNW													
VARBL													
CALM												.0	
	4.0	22.7	48.7	22.0	2.0	.7						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

2000

TOTAL NUMBER OF OBSERVATIONS

149

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			.7	2.0								2.7	14.0
NE			1.3	6.0	1.3	.7						9.4	14.0
ENE			2.7	18.1	1.3							22.1	13.3
E		1.3	10.1	17.4	.7							29.5	11.2
ESE		1.3	5.4	3.4								10.1	9.6
SE		.7	6.0	4.0								10.7	9.9
SSE			2.7	2.7								5.4	10.8
S		1.3	2.7	.7								4.7	8.6
SSW				.7								.7	15.0
SW			1.3									1.3	9.0
WSW												.7	9.0
W			.7									2.0	9.3
WNW			2.0										
NW												.7	10.0
NNW			.7										
VARBL												.0	
CALM													
		4.7	36.2	55.0	3.4	.7						100.0	11.5

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

STATION
22514

STATION NAME
BARBERS POINT, HAWAII

YEARS
73-77

MONTH
APR

CLASS
ALL WEATHER

HOURS (L.S.T.)
14

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7								.7	13.0
NNE				2.0	2.0							4.1	16.2
NE		.7	1.4	7.4		.7						10.1	13.3
ENE			3.4	18.9	2.0							24.3	13.4
E			8.1	13.5	.7							22.3	12.0
ESE			4.1	2.0								6.1	10.0
SE				6.1								6.1	13.0
SSE			2.0	4.1	1.4							7.4	12.8
S			2.7	4.7								7.4	12.0
SSW			1.4	.7								2.0	9.7
SW			1.4									1.4	10.0
WSW			.7									.7	10.0
W			.7	1.4								2.0	13.0
WNW			.7	1.4								2.0	11.3
NW			1.4	1.4								2.7	10.8
NNW			.7									.7	10.0
VARS													
CALM												.0	
		.7	28.4	64.2	6.1	.7						100.0	12.5

TOTAL NUMBER OF OBSERVATIONS

148

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7								.7	14.0
NNE		.7	.7	1.3		2.0						4.7	16.0
NE			.7	8.7	1.3							10.7	14.5
ENE		2.0	10.1	26.2	2.0							40.3	11.9
E	.7	4.0	6.7	12.0								24.2	10.8
ESE			2.0	2.0								4.0	9.8
SE				1.3								1.3	11.0
SSE			1.3	.7								2.0	10.7
S		1.3	1.3									2.7	6.5
SSW			1.3	.7								2.0	9.7
SW				.7								.7	11.0
WSW	.7		1.3									2.0	7.3
W			.7									.7	7.0
WNW					1.3							1.3	17.0
NW			1.3	1.3								2.7	11.0
NNW													
VARBL													
CALM												.0	
	1.3	8.1	27.5	56.4	4.7	2.0						100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

149

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514 STATION

BARBERS POINT, HAWAII

73-77

YEARS

APR

MONTH

ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	2.0									2.7	7.3
NNE		1.3	2.0	3.3	1.3	.7						8.7	12.3
NE		.7	8.0	2.7	.7							12.0	10.1
ENE	.7	11.3	22.7	8.7	.7							44.0	8.6
E		10.0	15.3	2.7								28.0	7.8
ESE	.7											.7	2.0
SE	.7											.7	3.0
SSE													
S		.7										.7	6.0
SSW		1.3	.7									2.0	6.7
SW													
WSW													
W													
WNW													
NW													
NNW		.7										.7	5.0
VARBL												.0	
CALM													
	2.0	26.7	50.7	17.3	2.7	.7						100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7		.7								1.3	8.5
NNE			3.3	2.7	1.3							7.3	12.3
NE		8.7	12.7	3.3								24.7	7.8
ENE		20.7	16.0	3.3								40.0	7.1
E		10.7	14.0	.7								25.3	7.1
ESE													
SE													
SSE		.7										.7	5.0
SSW													
SW													
WSW													
W			.7									.7	7.0
WNW													
NW													
NNW													
VARBL												.0	
CALM													
		41.3	46.7	10.7	1.3							100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.3	.3	.1							1.0	10.2
NNE	.2	.6	1.8	2.3	1.0	.4						6.4	12.3
NE	.5	4.3	7.3	4.2	.6	.2						17.0	9.2
ENE	.8	12.2	14.4	10.6	.8							38.7	8.7
E	.3	5.9	10.6	6.9	.2							23.7	9.0
ESE	.1	.3	1.5	1.0								2.9	9.2
SE	.1	.1	.8	1.4								2.3	10.7
SSE			.8	.9	.2							1.8	11.8
S		.5	.9	.8								2.2	9.8
SSW		.2	.5	.3								.9	9.1
SW			.3	.1								.4	9.8
WSW	.1		.3									.3	8.0
W	.1		.3	.2								.6	9.3
WNW			.4	.2	.2							.8	11.7
NW			.3	.3								.7	10.9
NNW		.1	.2									.3	8.3
VARBL													
CALM												.0	
	2.0	24.3	40.7	29.4	2.9	.6						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS

1196

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII

73-77

STATION NAME

YEARS

MAY
MONTH

CLASS

ALL WEATHER

02

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	.6	3.2									4.5	7.3
NE	2.6	15.5	8.4	.6								27.1	6.1
ENE	5.2	29.0	13.5									47.7	5.6
E	2.6	13.5	1.9									18.1	5.1
ESE													
SE													
SSE					.6							.6	19.0
S					.6							.6	18.0
SSW													
SW													
WSW													
W	.6											.6	1.0
WNW	.6											.6	1.0
NW													
NNW													
VARB													
CALM												.0	
	12.3	58.7	27.1	.6	1.3							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.6	1.3	1.9									3.9	6.3
NE		18.7	7.1	.6								26.5	5.8
ENE	4.5	29.0	14.2	1.3								49.0	5.9
E	1.9	11.6	4.5									18.1	5.7
ESE		.6										.6	5.0
SE													
SSE					.6							.6	20.0
S				.6	.6							1.3	15.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	7.1	61.3	27.7	2.6	1.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.9	2.6									4.5	7.4
NE	1.3	8.4	15.5	4.5								29.7	7.6
ENE	1.9	11.0	20.0	8.4								41.3	8.0
E	1.9	3.9	9.7	5.2								20.6	8.1
ESE		.6	1.3	.6								2.6	8.3
SE													
SSE													
S				.6	.6							1.3	16.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	5.2	25.8	49.0	19.4	.6							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22514

STATION NAME
BARBERS POINT, HAWAII

YEARS
73-77

MONTH
MAY

ALL WEATHER
CLASS

HOURS (L.S.T.)
11

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			1.3	.6								1.9	10.0
NE		.6	1.3	3.2	.6							5.8	12.7
ENE		.6	11.6	13.5	.6							26.5	11.2
E		1.3	12.9	8.4								22.6	10.1
ESE		1.3	8.4	2.6								12.3	9.5
SE			5.2	8.4								13.5	11.2
SSE		.6	3.2	.6								4.5	8.9
S		.6	5.2	2.6								8.4	9.4
SSW			1.3	.6								1.9	11.7
SW			.6									.6	9.0
WSW			1.9									1.9	8.3
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
		5.2	52.9	40.6	1.3							100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6	.6	1.3								2.6	10.3
NE				7.7	.6							8.4	12.9
ENE	.6	.6	7.1	19.4	1.3							29.0	11.8
E		1.9	8.4	9.7								20.0	10.9
ESE			5.8	4.5								10.3	11.0
SE			1.3	8.4								9.7	13.1
SSE		.6	1.3	2.6								4.5	10.9
S		.6	2.6	.6	.6							4.5	10.1
SSW			1.3									1.3	9.5
SW			2.6	.6								3.2	10.0
WSW		.6		2.6								3.2	10.4
W		.6	.6									1.3	7.5
WNW				.6								.6	11.0
NW			.6		.6							1.3	13.5
NNW													
VARBL													
CALM												.0	
	.6	5.8	32.3	58.1	3.2							100.0	11.4

TOTAL NUMBER OF OBSERVATIONS

155

AD-A063 827

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) BARBERS --ETC(U)
JUN 78

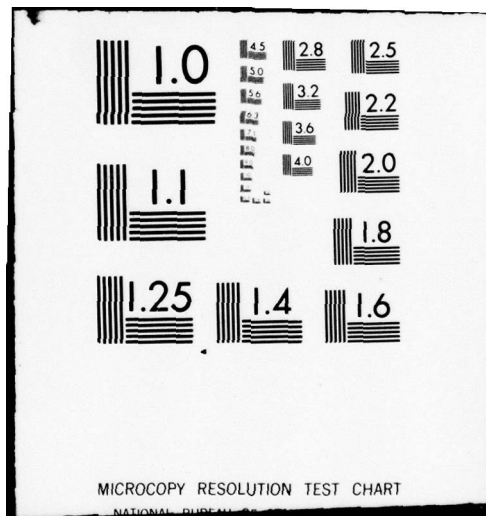
F/6 4/2

UNCLASSIFIED

NL

2 OF 4
AD
A063827

Frame 1	Frame 2	Frame 3	Frame 4	Frame 5	Frame 6	Frame 7	Frame 8	Frame 9	Frame 10	Frame 11	Frame 12	Frame 13	Frame 14
Frame 15	Frame 16	Frame 17	Frame 18	Frame 19	Frame 20	Frame 21	Frame 22	Frame 23	Frame 24	Frame 25	Frame 26	Frame 27	Frame 28
Frame 29	Frame 30	Frame 31	Frame 32	Frame 33	Frame 34	Frame 35	Frame 36	Frame 37	Frame 38	Frame 39	Frame 40	Frame 41	Frame 42
Frame 43	Frame 44	Frame 45	Frame 46	Frame 47	Frame 48	Frame 49	Frame 50	Frame 51	Frame 52	Frame 53	Frame 54	Frame 55	Frame 56
Frame 57	Frame 58	Frame 59	Frame 60	Frame 61	Frame 62	Frame 63	Frame 64	Frame 65	Frame 66	Frame 67	Frame 68	Frame 69	Frame 70
Frame 71	Frame 72	Frame 73	Frame 74	Frame 75	Frame 76	Frame 77	Frame 78	Frame 79	Frame 80	Frame 81	Frame 82	Frame 83	Frame 84
Frame 85	Frame 86	Frame 87	Frame 88	Frame 89	Frame 90	Frame 91	Frame 92	Frame 93	Frame 94	Frame 95	Frame 96	Frame 97	Frame 98
Frame 99	Frame 100	Frame 101	Frame 102	Frame 103	Frame 104	Frame 105	Frame 106	Frame 107	Frame 108	Frame 109	Frame 110	Frame 111	Frame 112
Frame 113	Frame 114	Frame 115	Frame 116	Frame 117	Frame 118	Frame 119	Frame 120	Frame 121	Frame 122	Frame 123	Frame 124	Frame 125	Frame 126
Frame 127	Frame 128	Frame 129	Frame 130	Frame 131	Frame 132	Frame 133	Frame 134	Frame 135	Frame 136	Frame 137	Frame 138	Frame 139	Frame 140



NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.6								.6	12.0
NNE													
NE			2.6	5.8								8.4	11.9
ENE	.6	1.9	13.5	26.5								42.6	11.1
E		1.3	12.3	12.9	.6							27.1	10.9
ESE			2.6	1.3								3.9	11.3
SE		.6		.6								1.3	10.5
SSE		.6	1.9	1.3								3.9	9.2
S		1.3	1.3									2.6	6.3
SSW		.6	.6									1.3	8.0
SW		.6	.6	.6								1.9	8.0
WSW		.6	1.3	.6								2.6	8.0
W			1.9									1.9	8.0
WNW			.6									.6	10.0
NW		.6										.6	5.0
NNW			.6									.6	10.0
VARBL													
CALM												.0	
	.6	8.4	40.0	50.3	.6							100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	8.0
NNE		1.3	1.3									2.6	6.0
NE	1.9	3.2	6.5	.6								12.3	6.6
NNE	3.2	18.7	23.9	1.9								47.7	6.9
E	1.3	10.3	16.1	.6								28.4	7.2
ESE			.6									.6	8.0
SE		1.3										1.3	4.5
SSE		.6										.6	4.0
S	1.3	.6			.6							2.6	6.8
SSW		.6		.6								.6	4.0
SW												.6	12.0
WSW													
W			.6									.6	7.0
WNW			.6									.6	10.0
NW													
NNW													
VARBL													
CALM												.0	
	7.7	37.4	50.3	3.9	.6							100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

MAY
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE		3.2	1.9	.6								5.8	6.3
NE	.6	7.1	6.5	1.3								15.5	6.6
ENE	7.1	29.0	17.4	.6								54.2	5.9
E	1.9	11.6	7.1	.6								21.3	5.9
ESE		.6										.6	4.0
SE													
SSE													
S				.6	.6							1.3	15.5
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW		.6										.6	5.0
VARBL												.0	
CALM													
	9.7	52.9	32.9	3.9	.6							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

ALL WEATHER
CLASS

MAY
MONTH

ALL
HOURS (L.S.T.)

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.1	.1								.3	8.0
NNE	.2	1.1	1.6	.3								3.2	7.3
NE	.8	6.7	6.0	3.1	.2							16.7	7.6
ENE	2.9	15.0	15.2	9.0	.2							42.3	7.3
E	1.2	6.9	9.1	4.7	.1							22.0	8.1
ESE		.4	2.3	1.1								3.9	9.9
SE		.2	.8	2.2								3.2	11.6
SSE		.3	.8	.6	.2							1.9	10.3
S	.2	.4	1.1	.6	.5							2.8	10.2
SSW		.2	.4	.1								.6	9.3
SW		.1	.5	.2								.8	9.5
WSW		.2	.4	.4								1.0	9.1
W	.1	.1	.4									.6	6.7
WNW	.1		.2	.1								.3	8.0
NW		.1	.1		.1							.2	10.7
NNW		.1	.1									.2	7.5
VARBL													
CALM												.0	
	5.4	31.9	39.0	22.4	1.2							100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7	2.0	4.0									6.7	7.0
NE		24.0	6.7									30.7	5.9
ENE	1.3	34.7	7.3	.7								44.0	5.5
E	.7	10.7	5.3	.7								17.3	6.1
ESE		.7										.7	6.0
SE													
SSE													
S			.7									.7	8.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALA												.0	
	2.7	72.0	24.0	1.3								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		2.7	2.0	1.3								6.0	7.6
NE	.7	24.7	9.3	.7								35.3	5.9
ENE	2.0	30.7	8.7	.7								42.0	5.6
E	.7	12.0	2.7									15.3	5.4
ESE	.7											.7	2.0
SE													
SSE													
S			.7									.7	10.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	4.0	70.0	23.3	2.7								100.0	5.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.7	7.0
NNE	1.3	3.3	4.7	1.3								10.7	7.1
NE		6.0	21.3	4.0								33.3	8.2
ENE	.7	8.7	16.0	3.3								28.7	7.7
E		6.0	14.0	5.3								25.3	8.5
ESE			.7									.7	7.0
SE													
SSE													
S				.7								.7	14.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	2.0	26.0	57.3	14.7								100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.7	9.0
NNE													
NE			4.0	6.0								10.0	11.1
ENE			8.7	14.7								23.3	11.5
E		1.3	10.7	13.3								25.3	10.7
ESE		.7	10.0	3.3								14.0	9.7
SE			3.3	6.0	.7							10.0	11.6
SSE		.7	5.3	4.0								10.0	10.3
S			4.7	.7								5.3	9.4
SSW			1.3									1.3	9.5
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
		2.7	48.7	48.0	.7							100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22514

STATION NAME
BARBERS POINT, HAWAII

YEARS
73-77

MONTH
JUN

CLASS
ALL WEATHER

HOURS (L.S.T.)
14

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N					.7							.7	18.0
NNE					.7							9.3	10.9
NE		.7	3.3	4.7	.7							31.3	12.1
ENE		.7	8.7	21.3	.7							24.7	11.4
E		.7	9.3	14.0	.7							6.7	10.8
ESE			3.3	2.7	.7							10.7	12.8
SE			2.7	7.3	.7							4.7	14.0
SSE			.7	4.0								7.3	10.7
S			3.3	4.0								1.3	9.5
SSW			1.3									2.0	9.0
SW		.7	.7	.7								1.3	8.5
WSW													
W			1.3										
WNW													
NW													
NNW													
VARBL													
CALM												.0	
		2.7	34.7	58.7	4.0							100.0	11.7

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

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22514

BARBERS POINT, HAWAII

73-77

YEAR

JUN

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

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TOTAL NUMBER OF OBSERVATIONS

150

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SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.7	8.0
NNE		.7	.7									1.3	6.5
NE		.7	3.3	7.3								11.3	11.6
ENE		.7	13.3	29.3								43.3	11.7
E	.7	.7	12.0	11.3								24.7	10.6
ESE			2.0	.7								2.7	9.3
SE		.7	2.0	1.3								4.0	9.8
SSE			.7	1.3								2.0	12.3
S		.7	2.7	.7								4.0	8.3
SSW			1.3	1.3								2.7	9.5
SW			.7									.7	7.0
WSW													
W	.7		1.3									2.0	6.3
WNW													
NW													
NNW				.7								.7	13.0
VARB												.0	
CALM													
	1.3	4.0	40.7	54.0								100.0	10.9

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												5.3	7.9
NNE		1.3	4.0									8.7	8.5
NE		.7	7.3	.7								47.3	6.7
ENE	.7	24.7	20.0	2.0								32.0	7.0
E	.7	14.7	15.3	1.3								1.3	2.5
ESE	.7	.7											
SE												1.3	9.0
SSE			1.3									.7	5.0
S		.7										1.3	6.0
SSW		.7	.7										
SW													
WSW		.7		.7								1.3	7.5
W													
WNW		.7										.7	6.0
NW													
NNW													
VARBL												.0	
CALM													
	2.0	44.7	48.7	4.7								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUN
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		2.7	6.0	1.3								10.0	7.5
NE	2.7	8.0	7.3	1.3								19.3	6.1
ENE	.7	26.0	13.3									40.0	6.0
E	1.3	18.7	7.3									27.3	5.9
ESE		.7	.7	.7								2.0	7.7
SE													
SSE			.7									.7	8.0
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.7	
	4.7	56.0	35.3	3.3								100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514

BARBERS POINT, HAWAII

73-77

JUN

STATION

STATION NAME

YEARS

NORTH

ALL WEATHER

ALL

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.6	2.7	.5	.1							.2	8.0
NNE	.4	8.3	7.8	3.1	.1							5.1	7.5
NE	.7	15.7	12.0	9.0	.1							19.7	7.6
ENE	.5	8.1	9.6	5.7	.1							37.5	8.0
E	.2	.3	2.1	.9	.1							24.0	8.4
ESE		.1	1.0	1.8	.2							3.6	9.1
SE		.1	1.0	1.2								3.1	11.8
SSE		.2	1.6	.7								2.2	11.4
S		.1	.6	.2								2.5	9.6
SSW		.1	.2	.1								.8	8.8
SW		.1	.3	.1								.3	8.5
WSW	.1	.1	.3	.1								.6	7.3
W		.1											
WNW													
NW		.1										.1	6.0
NNW				.1								.1	13.0
VARBL													
CALM												.1	
	2.1	34.7	39.1	23.4	.6							100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1111

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

8888

9888

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.9	3.2									5.2	7.5
NE	3.2	11.6	8.4	.6								23.9	5.8
ENE	3.2	29.0	13.5	3.2								49.0	6.2
E	.6	9.7	10.3	1.3								21.9	6.8
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	7.1	52.3	35.5	5.2								100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE			2.6	.6								3.2	9.6
NE	2.6	16.8	7.7	.6								27.7	6.0
ENE	1.9	27.7	11.6	1.3								42.6	6.0
E	1.3	14.2	8.4	1.3								25.2	6.4
ESE			.6									.6	10.0
SE													
SSE													
S													
SSW													
SW													
V V V													
W													
WNW													
NW													
NNW		.6										.6	5.0
VARBL												.0	
CALM													
	5.8	59.4	31.0	3.9								100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEAR

JUL
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.9	5.2	1.9								9.0	8.3
NIE		4.5	18.7	3.2								26.5	8.3
ENE	2.6	7.1	14.8	11.0								35.5	8.6
E	.6	2.6	16.8	7.1								27.1	9.1
ESE		.6	.6	.6								1.9	6.3
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	3.2	16.8	56.1	23.9								100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22514

STATION NAME
BARBERS POINT, HAWAII

YEARS
73-77

MONTH
JUL

11
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE			3.9	4.5	1.3							9.7	12.3
ENE			9.7	15.5	1.9							27.1	12.3
E		.6	16.1	20.0	.6							37.4	11.3
ESE		.6	5.8	2.6								9.0	9.6
SE			3.2	6.5								9.7	11.8
SSE			1.3	3.9								5.2	11.5
S			1.9									1.9	8.0
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
		1.3	41.9	52.9	3.9							100.0	11.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

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TOTAL NUMBER OF OBSERVATIONS

155

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	2.0
NNE	.6		.6	.6								1.9	7.3
NE			.6	10.3	2.6							13.5	13.8
ENE		1.9	9.0	26.5	3.2							40.6	12.1
E		1.3	6.5	19.4	1.3							28.4	12.1
ESE			3.2	2.6								5.8	10.8
SE			.6	1.3	.6							2.6	14.3
SSE		.6		1.9	.6							3.2	11.8
S			.6	.6								1.3	12.5
SSW													
SW			.6									.6	8.0
WSW			.6									.6	9.0
W													
WNW			.6									.6	10.0
NW													
NNW													
VARBL													
CALM												.0	
	1.3	3.9	23.2	63.2	8.4							100.0	12.1

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII

73-77

STATION NAME

YEARS

JUL

MONTH

ALL WEATHER
CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6											.6	3.0
NNE			.6									.6	10.0
NE			1.9	14.8	1.3							18.1	13.3
ENE	.6		15.5	37.4		.6						54.2	11.8
E		.6	7.1	10.3	2.0							20.6	12.2
ESE			1.9									1.9	8.7
SE			.6	.6								1.3	12.5
SSE													
S													
SSW			.6									.6	7.0
SW													
WSW													
W		.6										.6	5.0
WNW			.6									.6	8.0
NW													
NNW			.6									.6	9.0
VARBL													
CALM												.0	
	1.3	1.3	29.7	63.2	3.9	.6						100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

20
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.6	1.3									1.9	7.3
NE		3.2	7.1	.6								11.0	8.2
ENE		11.6	35.5	4.5								51.6	8.2
E		11.0	18.7	3.2	.6							33.5	8.0
ESE													
SE													
SSE	.6											.6	2.0
S													
SSW													
SW													
WSW													
W													
WNW			.6									.6	7.0
NW													
NNW													
VARBL													
CALM												.6	
	.6	26.5	63.2	8.4	.6							100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22514

STATION NAME
BARBERS POINT, HAWAII

YEARS
73-77

MONTH
JUL

DAY
23

MOORE (L.S.T.)

CLASS
ALL WEATHER

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.3	1.9	.6								3.9	8.2
NE	.6	9.0	8.4			.6						18.7	6.9
ENE	1.9	26.5	20.0	2.6								51.0	6.7
E	.6	12.3	11.0	1.3								25.2	6.9
ESE													
SE													
SSE		.6										.6	4.0
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.6	
	3.2	49.7	41.3	4.5		.6						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514

BARBERS POINT, HAWAII

73-77

JUL

STATION NAME

YEARS

NORTH

ALL WEATHER

ALL

MOON (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

9800

TOTAL NUMBER OF OBSERVATIONS

1240

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2											.2	2.5
NNE	.1	.7	1.9	.5								3.2	8.2
NE	.8	5.6	7.1	4.4	.6	.1						18.6	8.6
NNE	1.3	13.0	16.2	12.7	.6	.1						44.0	8.8
E	.4	6.5	11.9	8.0	.6							27.4	9.2
ESE		.2	1.5	.7								2.4	9.7
SE		.6	.6	1.0	.1							1.7	12.3
SSE	.1	.2	.2	.7	.1							1.2	10.5
S		.3	.3	.1								.4	9.8
SSW			.1									.1	7.0
SW			.1									.1	8.0
WSW			.1									.1	9.0
W		.1										.1	5.0
WNW			.2									.2	8.3
NW													
NNW		.1	.1									.2	7.0
VARBL													
CALM												.2	
	2.8	26.4	40.2	28.1	2.1	.2						100.0	8.9

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII

STATION NAME

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

02

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		3.9	3.2	.6								7.7	7.3
NE	1.9	14.2	7.1									23.2	5.8
ENE	3.9	24.5	11.6	1.3								41.3	5.9
E		17.4	7.7	.6								25.8	6.1
ESE	.6	1.3										1.9	4.7
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	6.5	61.3	29.7	2.6								100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

155

2

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6										.6	4.0
NNE		2.6	3.2									5.8	7.7
NE	2.6	16.8	7.7	.6								27.7	5.8
ENE	1.9	31.6	12.3	1.3								47.1	5.8
E	1.3	12.3	3.9									17.4	5.6
ESE													
SE													
SSE			.6									.6	8.0
S													
SSW													
SW													
WSW			.6									.6	7.0
W													
WNW													
NW													
NNW													
VABBL													
CALM												.0	
	5.8	63.9	28.4	1.9								100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	8.0
NNE		1.3	6.5	1.9								9.7	8.9
NE		9.0	17.4	2.6								29.0	7.8
ENE		8.4	20.0	5.8								34.2	8.4
E		7.1	14.2	2.6								23.9	8.0
ESE		.6										.6	5.0
SE													
SSE													
S			.6									.6	7.0
SSW													
SW			.6									.6	9.0
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
		27.1	60.0	12.9								100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6									.6	7.0
NNE				.6								.6	15.0
NE		.6	2.6	9.0								12.3	12.2
ENE		.6	7.7	18.1	1.3							27.7	11.6
E		.6	10.3	11.6	1.3							23.9	11.1
ESE		1.3	4.5	2.6								8.4	9.5
SE			3.9	5.8	.6							10.3	11.1
SSE			3.9	6.5								10.3	11.0
S		1.3	1.3									2.6	7.3
SSW		.6	.6	1.3								2.6	9.3
SW												.6	10.0
WSW			.6										
W													
WNW													
NW													
NNW													
VARBL													
CALM												.6	
		5.2	36.1	55.5	3.2							100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMDS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE					.6							.6	18.0
NE			1.9	8.4	1.9							12.3	13.6
ENE			9.7	19.4	2.6							31.6	12.7
E		.6	6.5	20.0								27.1	11.6
ESE			1.3	3.2								4.5	12.0
SE			1.3	7.1	1.3							9.7	13.7
SSE			1.3	1.9	.6							3.9	11.3
S			1.3	3.2								4.5	11.4
SSW			1.3	.6								1.9	9.0
SW			1.3	.6								1.9	10.0
WSW			.6									.6	8.0
W			.6									.6	8.0
WNW													
NW		.6										.6	4.0
NNW													
VARBL													
CALM												.0	
		1.3	27.1	64.5	7.1							100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII

STATION NAME

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

17

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE			1.3	6.4	1.3							11.0	13.8
ENE		1.9	14.2	35.5								51.6	11.7
E			8.4	12.9								21.3	11.2
ESE				.6								.6	12.0
SE			.6	1.3								1.9	11.7
SSE		.6	.6	2.6								3.9	11.2
S				.6								.6	14.0
SSW			1.3									1.3	9.0
SW			3.2									3.2	9.6
WSW			.6									.6	10.0
W			.6									.6	8.0
WNW				.6								.6	14.0
NW			.6									.6	10.0
NNW			1.9									1.9	8.3
VARBL													
CALM												.0	
		2.6	33.5	62.6	1.3							100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

155

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514	STATION
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STATION NAME
BARBERS POINT, HAWAII

STATION NAME

YEARS

73-77

AUG

MONTH

ALL WEATHER

CLASS

CONCLUSION

5702 SURFACE WINDS JAN 78

[illegible]

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514

STATION

BARBERS POINT, HAWAII

STATION NAME

73-77

YEARS

AUG

MONTH

ALL WEATHER

CLASS

23

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9										1.9	5.0
NNE		3.2	2.0									5.8	6.4
NE		8.4	9.0	1.9								19.4	7.1
ENE	2.6	19.4	18.1	3.2								43.2	6.6
E	1.3	14.8	11.6	.6								28.4	6.4
ESE		1.3										1.3	5.5
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	3.9	49.0	41.3	5.8								100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.4	.2									.6	6.0
NNE		1.5	2.0	.4	.1							4.0	8.0
NE	.6	6.3	6.9	4.1	.4							18.3	8.4
ENE	1.4	12.5	15.2	11.2	.5							40.8	8.6
E	.4	7.7	10.3	6.3	.2							24.8	8.4
ESE	.1	.6	.7	.8								2.3	9.1
SE			.8	1.8	.2							2.8	12.1
SSE		.1	.8	1.4	.1							2.3	11.0
S		.4	.4	.5								1.3	9.1
SSW		.1	.4	.2								.7	9.1
SW		.1	.6	.1								.8	9.1
WSW	.1	.1	.3									.5	7.0
W			.2									.2	8.0
WNW				.1								.1	14.0
NW		.1	.1									.2	7.0
NNW		.1	.3									.4	7.4
VARBL													
CALM												.0	
	2.5	29.8	39.4	26.9	1.5							100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

1240

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 22514 BARBERS POINT, HAWAII STATION NAME YEARS MONTH SEP 02 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIRE.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7	.7	2.7									4.0	6.7
NE	2.0	22.0	8.7									32.7	5.7
ENE	4.7	31.3	11.3	1.3								48.7	5.6
E	.7	12.0	2.0									14.7	5.4
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													
	6.0	66.0	24.7	1.3								100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII

STATION NAME

73-77

YEARS

SEP

MONTH

ALL WEATHER

CLASS

05

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7	1.3	6.0									8.0	7.8
NE	2.7	20.7	12.0	1.3								36.7	6.1
ENE	2.7	33.3	8.0		.7							44.7	5.6
E	2.0	7.3		.7								10.0	5.3
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNN													
NW													
NNW													
VARBL												.7	
CALM												100.0	5.9
	8.0	62.7	26.0	2.0	.7								

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII

73-77

SEP

STATION NAME

YEARS

MONTH

ALL WEATHER

08

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE	.7	.7	9.3	2.7								13.3	8.8
NE		9.3	23.3	4.7								37.3	8.1
ENE	2.0	19.3	18.0	2.7								42.0	7.0
E		2.7	4.7									7.3	6.6
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	2.7	32.0	55.3	10.0								100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 22514 BARBERS POINT, HAWAII STATION NAME YEARS 73-77 SEP MONTH 11 HOURS (L.S.T.) 11

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7								.7	13.0
NNE			1.3	.7								2.0	11.3
NE			2.0	4.0	.7							6.7	11.6
ENE		1.3	6.7	12.0	2.0							22.0	11.8
E		2.0	7.3	6.7								16.0	10.5
ESE			4.7	4.0	.7							9.3	11.3
SE			5.3	6.0	.7							14.0	11.3
SSE		.7	9.3	7.3								17.3	10.5
S			8.0									8.0	8.8
SSW			1.3	1.3								2.7	9.8
SW			.7	.7								1.3	11.0
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
		4.0	46.7	45.3	4.0							100.0	10.9

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7								.7	11.0
NNE				1.3								1.3	11.5
NE			2.0	9.3	1.3							12.7	13.1
ENE		.7	6.7	8.7	3.3							19.3	12.1
E			5.3	9.3	.7							15.3	12.4
ESE			1.3	3.3								6.7	12.0
SE		.7	3.3	9.3	2.0							15.3	13.1
SSE			4.7	5.3	.7							10.7	11.7
S		.7	4.7	1.3								6.7	9.0
SSW	.7		2.7	1.3								4.7	9.0
SW			2.0	.7								2.7	9.8
WSW			1.3	2.7								4.0	11.2
W			.7	1.3								2.0	11.7
WNW													
NW													
NNW													
VARBL													
CALM												.0	
	.7	2.0	34.7	54.7	8.0							100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3										1.3	6.0
NNE				.7	.7							1.3	14.5
NE		1.3	4.0	8.0	2.7	.7						16.7	12.9
ENE			10.7	20.7	.7							32.0	11.5
E	.7	.7	8.0	8.7								18.0	10.7
ESE			3.3	.7								4.0	10.3
SE			.7	.7								1.3	12.0
SSE		.7	3.3	2.0								6.0	9.4
S		.7	2.7									3.3	8.4
SSW		1.3	2.7									4.0	6.8
SW		.7		.7								1.3	9.0
WSW			2.0									2.0	9.3
W		.7	.7	.7								2.0	9.3
WNW		.7	.7	2.0								3.3	10.0
NW		.7	1.3									2.0	7.7
NNW		1.3										1.3	5.0
VARBL													
CALM												.0	
	.7	10.0	40.0	44.7	4.0	.7						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514

STATION NAME
BARBERS POINT, HAWAII

73-77

STATION NAME

YEARS

SEP

MOUTH

ALL WEATHER

CLASS

20

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									1.3	6.5
NNE	.7	1.3	6.7	2.7								11.3	8.5
NE		4.7	10.7	2.0								17.3	7.9
ENE		18.7	18.0	2.7								39.3	6.9
E	2.0	9.3	10.7									22.0	6.1
ESE			.7									.7	7.0
SE													
SSE	.7	.7										1.3	4.0
S													
SSW	.7	.7										1.3	3.0
SW	.7	1.3										2.0	4.3
WSW													
W			.7									.7	8.0
WNW		.7	1.3									2.0	7.0
NW			.7									.7	8.0
NNW													
VARBL													
CALM												.0	
	4.7	38.0	50.0	7.3								100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

150

DIRNA VOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		2.0	5.3	.7								8.0	7.8
NE	.7	14.7	15.3									30.7	6.8
ENE	3.3	31.3	9.3									44.0	5.7
E	1.3	11.3	3.3									16.0	5.4
ESE													
SE													
SSE													
S	.7											.7	2.0
SSW													
SW													
WSW													
W													
WNW													
NW	.7											.7	3.0
NNW													
VARBL												.0	
CALM													
	6.7	59.3	33.3	.7								100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

150

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

SEP
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2	.1	.2								.3	8.2
NNE	.3	.7	3.9	1.1	.1							6.2	8.6
NE	.7	9.1	9.7	3.7	.6	.1						23.8	8.0
ENE	1.6	17.0	11.1	6.0	.8							36.3	7.5
E	.8	5.7	5.2	3.2	.1							14.9	8.0
ESE			1.2	1.0	.1							2.3	11.1
SE		.1	1.2	2.2	.3							3.8	12.2
SSE	.1	.2	2.2	1.6	.1							4.4	10.4
S	.1	.2	1.9	.2								2.3	8.3
SSW	.2	.2	.8	.3								1.6	7.8
SW	.1	.2	.3	.2								.9	8.4
WSW			.4	.3								.7	10.6
W		.1	.2	.2								.6	10.1
WNW		.2	.2	.2								.7	8.9
NW	.1	.1	.2									.4	6.8
NNW		.2										.2	5.0
VARB													
CALM												.1	
	3.9	34.2	38.8	20.7	2.1	.1						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		3.2	4.5	3.9								11.6	8.8
NE	1.9	16.8	12.9	1.3								32.9	6.5
ENE	.6	18.7	14.2	1.9								35.5	6.4
E	.6	14.8	3.2	.6								19.4	5.6
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW		.6										.6	4.0
NNW													
VARBL												.0	
CALM													
	3.2	54.2	34.8	7.7								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	.6									1.3	7.5
NNE	.6	1.3	4.5	3.9								10.3	8.8
NE		12.9	16.8	.6								30.3	6.7
ENE	2.6	29.7	9.7	2.6								44.5	6.0
E		8.4	2.6									11.0	5.8
ESE													
SE													
SSE													
S		.6										.6	5.0
SSW													
SW													
WSW													
W		.6										.6	6.0
WNW													
NW				.6								.6	11.0
NNW													
VARBL													
CALM												.6	
	3.2	54.2	34.2	7.7								100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514

STATION NAME
BARBERS POINT, HAWAII

73-77

YEARS

OCT

MONTH

ALL WEATHER

CLASS

08

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		1.9	7.7	4.5								14.2	9.2
NE		11.0	22.6	3.9								37.4	7.9
ENE	.6	9.7	16.8	4.5								31.6	7.8
E		6.5	8.4	1.3								16.1	7.4
ESE			.6									.6	10.0
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL												.0	
CALM													
	.6	29.0	56.1	14.2								100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

5000

TOTAL NUMBER OF OBSERVATIONS

155

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE				.6	.6							1.3	14.5
NE			1.9	5.8	.6							8.4	13.2
ENE		1.9	6.5	16.8	1.3							26.5	11.6
E		1.3	15.5	12.9	.6							30.3	10.7
ESE			3.2	1.9								5.2	10.0
SE			2.6	5.2	.6							8.4	12.4
SSE		1.3	3.9	3.2								8.4	9.6
S		.6	4.5	.6								5.8	8.4
SSW	1.3		1.9									3.2	6.6
SW			1.9									1.9	8.7
WSW													
W													
WNW				.6								.6	11.0
NW													
NNW													
VARBL													
CALM												.0	
	1.3	5.2	41.9	47.7	3.9							100.0	10.9

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												.6	8.0
NNE			.6										
NE		1.3	1.9	7.7	2.6	.6						14.2	13.9
ENE		.6	5.8	14.2	.6							21.3	12.1
E		1.9	7.7	15.5	.6							25.8	11.6
ESE		.6	1.3	3.2								5.2	10.9
SE			1.3	4.5	.6	.6						7.1	14.2
SSE			1.3	3.9	.6							5.8	12.4
S		.6	3.2	3.2								7.1	9.7
SSW			2.6	1.3								3.9	10.0
SW			.6	1.3								1.9	10.7
WSW			.6	1.3								1.9	12.0
W			2.6	.6	.6							3.9	10.7
WNW			.6	.6								1.3	10.5
NW													
NNW													
VARBL													
CALM												.0	
		5.2	10.3	57.4	5.8	1.3						100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

DCT
MONTH

17
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.3									1.9	6.7
NNE			.6	.6								1.3	12.0
NE			1.9	5.8	3.2							11.0	13.4
ENE		.6	12.9	25.2	1.9							40.6	11.6
E		1.3	14.8	8.4	.6							25.2	10.5
ESE			.6	.6								1.3	10.5
SE			1.3	1.3								2.6	10.0
SSE			1.9	.6								2.6	9.3
S		1.9	2.6									4.5	6.4
SSW		.6	2.6									3.2	8.4
SW			.6									.6	9.0
WSW			1.3	.6								1.9	9.7
W				1.3								1.3	12.5
WNW				1.3								1.3	12.5
NW												.6	6.0
NNW		.6											
VARBL												.0	
CALM													
		5.8	42.6	45.8	5.8							100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

5702 SURFACE WINDS JAN 78

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.3	.6								3.2	7.4
NNE		1.3	3.9	2.6								7.7	9.6
NE		2.6	9.0	5.2								16.8	9.2
ENE	1.9	15.5	18.7	7.1								43.2	7.5
E		8.4	10.3									18.7	6.7
ESE	1.9											1.9	2.7
SE		.6										.6	5.0
SSE	.6											.6	3.0
S	.6											.6	3.0
SSW		1.3										1.3	6.0
SW			.6									.6	7.0
WSW													
W		.6	.6									1.3	7.0
WNW			.6									.6	6.0
NW	.6											.6	2.0
NNW		.6	1.3									1.9	7.3
VARBL													
CALM												.0	
	5.8	32.3	46.5	15.5								100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

OCT
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	3.2	1.3									1.3	7.5
NNE	1.3	1.9	3.2									9.7	7.9
NE	.6	11.0	13.5									25.2	7.0
ENE	1.3	17.4	16.7	1.9								39.4	6.8
E	1.3	13.5	6.5	1.9								23.2	6.2
ESE													
SE	.6											.6	2.0
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW		.6										.6	4.0
VARBL												.0	
CALM													
	5.2	45.8	41.9	7.1								100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

UCT
MONTH

ALL WEATHER
CLASS

ALL
MOVES (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.3	.6	.1								1.0	7.3
NNE	.2	1.4	3.0	2.4	.1							7.1	9.0
NE	.3	6.9	10.1	3.8	.8	.1						22.0	8.5
ENE	.9	11.8	12.9	9.3	.5							35.3	8.4
E	.2	7.0	8.6	5.1	.2							21.2	8.5
ESE	.2	.1	.7	.7								1.8	9.4
SE	.1	.1	.6	1.4	.2	.1						2.4	12.1
SSE	.1	.2	.9	1.0	.1							2.2	10.3
S	.1	.5	1.3	.5								2.3	8.1
SSW	.2	.2	.9	.2								1.5	8.2
SW			.5	.2								.6	9.3
WSW			.2	.2								.5	10.8
W		.2	.4	.2	.1							.9	9.9
WNW			.2	.3								.5	10.8
NW	.1	.1	.2	.1								.2	5.7
NNW		.2	.2									.4	6.4
VARBL													
CALM												.1	
	2.4	29.0	41.0	25.4	1.9	.2						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

1240

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

02
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

0000

TOTAL NUMBER OF OBSERVATIONS

150

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7									2.0	5.0
NNE	1.3	1.3	2.7	2.0	.7							8.0	8.8
NE	1.3	20.7	8.7	3.3								34.0	6.5
ENE	.7	22.7	13.3	2.7								39.3	6.6
E		9.3	1.3									10.7	5.5
ESE			.7									.7	7.0
SE			.7									.7	10.0
SSE					.7							.7	18.0
S	.7			.7	.7							2.0	10.3
SSW					.7							.7	17.0
SW		.7										.7	6.0
WSW													
W													
WNW					.7							.7	20.0
NW													
NNW													
VARBL												.0	
CALM													
	4.7	55.3	28.0	8.7	3.3							100.0	6.9

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

05
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	.7	1.3									2.7	6.5
NNE	.7	4.0	4.0	2.0	.7							11.3	8.4
NE	.7	14.0	12.0									26.7	6.5
ENE	1.3	24.7	13.3	2.0								41.3	6.2
E		8.0	2.0									10.0	5.8
ESE	.7	1.3										2.0	3.7
SE													
SSE				2.0								2.0	13.3
S					.7	.7						1.3	20.5
SSW		.7										.7	6.0
SW													
WSW			1.3									1.3	8.5
W													
WNW													
NW													
NNW		.7										.7	6.0
VARB												.0	
CALM													
	4.0	54.0	34.0	6.0	1.3	.7						100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

08
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.7	.7									1.3	6.0
NNE		3.3	4.7	3.3	1.3							12.7	9.3
NE	1.3	14.0	12.0	2.7								30.0	7.0
ENE	2.7	22.0	9.3	2.7								36.7	6.3
E	.7	7.3	4.7	.7								13.3	6.6
ESE													
SE													
SSE					.7							.7	18.0
S			1.3	1.3								2.7	12.0
SSW					.7	.7						1.3	21.0
SW													
WSW													
W					.7							.7	20.0
WNW													
NW													
NNW		.7										.7	4.0
VARBL												.0	
CALM													
	4.7	48.0	32.7	10.7	3.3	.7						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION
22514

STATION NAME
BARBERS POINT, HAWAII

YEARS
73-77

MONTH
NOV

CLASS

ALL WEATHER

MOUSE (L.S.T.)
11

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N												2.3	10.8
NNE		.7	2.0			.7						9.3	13.8
NE			2.0	6.0	1.3							20.7	12.2
ENE	.7	1.3	4.7	11.3	2.7							18.7	10.4
E		2.0	9.3	6.0	1.3							8.0	9.7
ESE		1.3	4.0	2.7								10.7	9.9
SE		.7	6.0	4.0								9.3	9.8
SSE		.7	6.7	1.3	.7							10.7	8.3
S	.7	2.7	6.0	1.3		.7						3.3	12.0
SSW		.7	1.3	.7								2.0	10.0
SW			1.3	.7								3.3	10.2
WSW		.7	1.3	1.3								.7	16.0
W				.7									
WNW													
NW													
NNW													
VARBL													
CALM													
	1.3	10.7	44.7	36.0	6.0	1.3						100.0	10.8

TOTAL NUMBER OF OBSERVATIONS

150

DIRNA VOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.7								.7	13.0
NNE	1.3			3.3	.7	.7						6.0	12.3
NE		.7		6.7	2.0	.7						10.0	14.7
ENE			8.0	8.7	2.0							18.7	12.4
E		.7	4.0	11.3	.7							16.7	11.8
ESE	.7	.7	2.0	3.3	.7							7.3	10.5
SE			3.3	6.0								9.3	11.9
SSE			2.7	2.7								5.3	10.6
S		.7	5.3	4.7								10.7	10.1
SSW			2.7									2.7	8.8
SW			2.7	1.3								4.0	10.7
WSW		.7	2.0	.7		.7						4.0	12.2
W		.7	.7	2.0	.7							4.0	12.2
WNW					.7							.7	17.0
NW													
NNW													
VARBL													
CALM												.0	
	2.0	4.0	33.3	51.3	7.3	2.0						100.0	11.9

TOTAL NUMBER OF OBSERVATIONS

150

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N				.7	.7							1.3	15.0
NNE				2.0	1.3							3.3	16.0
NE			3.3	4.7	1.3							9.3	12.7
ENE	.7	1.3	16.7	9.3	2.0	.7						30.7	11.0
E			8.7	6.7	.7							16.0	10.8
ESE		2.0	2.7	2.7								7.3	9.3
SE		.7	2.7	.7								4.0	9.3
SSE	.7	2.0	.7	2.0								5.3	7.4
S	.7	1.3		3.3	.7							6.0	10.7
SSW	.7		3.3			.7						4.7	9.3
SW		.7	4.0									4.7	7.7
WSW			.7									.7	10.0
W		1.3	.7									2.0	6.3
WNW			2.0	.7	.7							3.3	11.4
NW				1.3								1.3	14.0
NNW													
VARB													
CALM												.0	
	2.7	9.3	65.3	34.0	7.3	1.3						100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNOTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.7									.7	9.0
NNE	1.3	2.7	8.0	2.0	.7							14.7	8.5
NE	1.3	6.7	10.0	5.3	1.3							24.7	8.8
ENE		12.7	11.3	2.0								26.0	7.1
E		10.0	6.0	2.0								18.0	6.9
ESE	.7		.7									1.3	4.5
SE			2.0									2.0	7.7
SSE				.7								.7	15.0
S			2.0	.7	2.0							4.7	14.0
SSW		.7	2.0									2.7	6.8
SW						.7						.7	22.0
WSW													
W		.7	.7									1.3	5.5
WNW		.7										.7	4.0
NW				.7								.7	11.0
NNW		.7	.7									1.3	7.0
VARBL												.0	
CALM													
	3.3	34.7	44.0	13.3	4.0	.7						100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 22514 BARBERS POINT, HAWAII STATION NAME YEARS NOV NORTH
CLASS ALL WEATHER 23 HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.7	.7								2.7	7.5
NNE		1.3	3.3	2.7	.7							8.0	10.3
NE	1.3	16.0	8.7	2.7	.7							29.3	6.8
ENE	2.7	15.3	15.3	2.7								36.0	6.7
E	1.3	8.7	4.7	2.0								16.7	6.6
ESE	.7											.7	2.0
SE				.7								.7	11.0
SSE				.7								.7	13.0
S				1.3	.7							2.0	14.7
SSW				.7	.7							1.3	15.0
SW					.7							.7	20.0
WSW		.7										.7	4.0
W													
WNW													
NW													
NNW			.7									.7	7.0
VARBL													
CALM												.0	
	6.7	42.7	33.3	14.0	3.3							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 150

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.3	.5	.2	.1							1.4	8.2
NNE	.6	1.7	3.1	2.2	.7	.2						8.4	9.7
NE	.7	9.0	7.1	3.9	.8	.1						21.7	8.2
ENE	1.1	12.5	11.5	5.2	.8	.1						31.2	8.0
E	.2	5.7	5.1	3.6	.3							15.0	8.4
ESE	.3	.7	1.2	1.1	.1							3.4	8.8
SE		.2	1.8	1.4								3.4	10.4
SSE	.1	.3	1.2	1.2	.2							3.1	10.4
S	.2	.6	1.8	1.7	.6	.1						5.0	10.9
SSW	.1	.2	1.2	.2	.2	.2						2.2	10.8
SW		.2	1.0	.2	.1	.1						1.6	10.3
WSW		.2	.5	.1		.1						.8	10.4
W		.4	.4	.4	.2							1.4	10.2
WNW		.1	.2	.2	.2							.7	11.8
NW				.2	.1							.3	14.8
NNW		.2	.2									.4	6.2
VARBL													
CALM												.0	
	3.7	32.3	36.9	21.7	4.5	.8						100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

1200

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514

BARBERS POINT, HAWAII

73-77

DEC

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

02

CLASS

HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	1.3	1.3								3.9	6.7
NNE	.6	.6	2.6									3.9	7.2
NE		21.9	11.0	2.6								35.5	6.6
ENE	1.3	27.7	14.2	.6								43.9	6.0
E	1.3	3.9	1.9	1.3								8.4	6.5
ESE													
SE	.6											.6	3.0
SSE													
S			.6	1.3	.6							2.6	13.0
SSW													
SW			.6									.6	8.0
WSW													
W													
WNW													
NW													
NNW													
VARBL												.6	
CALM													
	3.9	55.5	32.3	7.1	.6							100.0	6.6

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514

STATION BARBERS POINT, HAWAII

73-77

YEARS

DEC

MONTH

05

HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.9	.6									3.2	4.6
NNE		2.6	1.9	3.9								8.4	9.8
NE	1.9	19.4	9.7	1.3								32.3	6.0
ENE	3.9	23.2	9.7									36.8	5.7
E	1.3	7.1	3.2	1.3								12.9	6.5
ESE				.6								.6	12.0
SE													
SSE													
S			1.3	1.3	1.3							3.9	14.0
SSW													
SW													
WSW				.6								.6	16.0
W													
WNW													
NW		.6		.6								1.3	8.5
NNW													
VARBL													
CALM												.0	
	7.7	54.8	26.5	9.7	1.3							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

2

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 22514 STATION NAME BARBERS POINT, HAWAII YEARS 73-77 MONTH DEC
CLASS ALL WEATHER HOURS (L.S.T.) 08

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	1.9									3.9	7.3
NNE		1.3	3.2	1.3	.6							6.5	9.6
NE	1.9	22.6	7.7	1.3								33.5	5.8
ENE	1.9	25.2	11.6	1.9								40.6	6.4
E	1.3	5.2	2.6									9.0	5.8
ESE													
SE													
SSE					.6							.6	20.0
S			.6		1.9							2.6	15.5
SSW													
SW													
WSW	.6			.6								1.3	8.0
W					.6							.6	18.0
WNW													
NW	.6		.6									1.3	4.0
NNW													
VARBL													
CALM												.0	
	6.5	56.1	28.4	5.2	3.9							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

11
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	.6	.6								2.6	8.0
NNE		.6	.6	1.9	1.3							4.5	13.1
NE		.6	1.9	4.5								7.1	11.6
ENE		2.6	5.8	13.6	1.9							24.0	11.7
E	.6	2.6	6.3	9.1	.6							19.5	9.9
ESE	.6	3.2	2.6	2.6								9.1	7.7
SE		3.9	3.9	1.9								9.7	8.2
SSE		.6	8.4	2.6								11.7	8.8
S		.6	2.6	.6								3.9	8.2
SSW			.6	1.3	1.9							3.9	15.2
SW												.6	6.0
WSW		.6										.6	12.0
W				.6								1.9	12.7
WNW				1.9									
NW												.6	15.0
NNW				.6									
VARBL												.0	
CALM													
	1.3	16.9	33.8	42.2	5.8							100.0	10.3

TOTAL NUMBER OF OBSERVATIONS

154

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEAR

DEC
MONTH

ALL WEATHER
CLASS

14
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.6								.6	14.0
NNE		.6	.6	1.3	.6							3.2	12.0
NE		.6	1.9	5.2	1.9	.6						10.3	13.6
ENE			4.5	14.8	1.9							21.3	12.7
E	.6		5.2	3.9								9.7	9.5
ESE			2.6	1.9								4.5	10.6
SE		1.9	3.9	3.2	.6							9.7	11.0
SSE		.6	3.2	6.5								10.3	10.8
S		1.3	11.0	1.3	.6							14.2	9.4
SSW		.6	3.9	.6								5.2	9.5
SW			.6									.6	8.0
WSW		.6	1.9									2.6	7.5
W			.6	3.2								3.9	12.7
WNW			.6	2.6		.6						3.9	13.7
NW													
NNW													
VARBL													
CALM												.0	
	.6	6.5	40.6	45.2	5.8	1.3						100.0	11.3

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

17
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.6		1.3							1.9	16.7
NNE		.6		2.6	.6							3.9	12.8
NE		2.6	.6	5.2	2.6							11.0	11.9
ENE		1.9	12.3	12.9	1.3							28.4	11.1
E		1.9	9.0	3.2								14.2	9.0
ESE		.6		.6								1.3	8.5
SE			2.6	1.9								4.5	11.6
SSE		.6	3.9									4.5	8.1
S	.6	3.9	4.5									9.0	7.0
SSW		2.6	1.9	.6								5.2	7.6
SW	.6	.6										1.3	2.3
WSW			1.9									1.9	8.0
W		.6	3.9		.6							5.2	9.4
WNW		.6	.6	1.9								3.2	11.0
NW		.6	1.9	.6	.6							3.9	10.2
NNW			.6									.6	7.0
VARBL													
CALM												.0	
	1.3	17.4	44.5	29.7	7.1							100.0	10.1

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

20
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.9	.6	.6								3.2	7.6
NNE	1.3	3.2	8.4	3.2								16.1	8.2
NE	.6	9.7	5.2	.6								16.1	6.6
ENE	3.9	20.0	17.4	1.9								43.2	6.5
E	1.9	4.5	2.6									9.0	5.6
ESE	1.3	.6										1.9	3.0
SE													
SSE			1.3		.6							1.9	12.7
S		.6	.6	.6								1.9	8.3
SSW													
SW	.6		1.3									1.9	6.7
WSW													
W	.6											.6	2.0
WNW			.6									.6	8.0
NW			1.3									1.3	8.0
NNW		.6	.6									1.3	5.5
VARBL													
CALM												.6	
	10.3	41.3	40.0	7.1	.6							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

DIRNAVOCEANMET SMOS

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

23
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	1.9									2.6	8.0
NNE	.6	1.9	7.7	1.9								12.3	8.3
NE		11.0	7.1	3.2								21.3	7.4
ENE	2.6	31.0	13.5	.6								47.7	5.8
E	.6	1.9	6.5	.6								9.7	7.1
ESE				.6								.6	12.0
SE					.6							.6	18.0
SSE													
S				.6								.6	14.0
SSW		.6		.6								1.3	8.5
SW			.6									.6	10.0
WSW													
W													
WNW													
NW		.6										.6	6.0
NNW	.6	1.3										1.9	4.7
VARBL													
CALM												.0	
	4.5	49.0	37.4	8.4	.6							100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

155

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

1970

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

5702 SURFACE WINDS JAN 78

1978

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.1	1.0	.4	.2							2.7	8.4
NNE	.3	1.5	3.1	2.0	.4							7.3	9.4
NE	.6	11.1	5.6	3.0	.6	.1						20.9	7.4
ENE	1.7	16.5	11.1	5.8	.6							35.8	7.5
E	1.0	3.4	4.7	2.4	.1							11.5	7.8
ESE	.2	.6	.6	.8								2.3	8.3
SE	.1	.7	1.3	.9	.2							3.1	10.0
SSE	.2	.2	2.1	1.1	.2							3.6	9.9
S	.1	.8	2.7	.7	.6							4.8	9.9
SSW	.5	.5	.8	.4	.2							1.9	10.2
SW	.2	.1	.4									.6	6.4
WSW	.1	.2	.5	.2								.9	8.4
W	.1	.1	.6	.5	.2							1.4	10.8
WNW	.1	.1	.2	.8	.1	.1						1.2	12.2
NW	.1	.2	.5	.2	.1							1.0	8.3
NNW	.1	.2	.2	.1								.6	6.7
VARBL													
CALM												.2	
	4.5	37.2	35.4	19.3	3.2	.2						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

1239

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

ALL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.3	.2	.0							1.0	7.9
NNE	.3	1.4	2.7	1.4	.3	.1						6.1	9.1
NE	.8	8.0	7.0	3.5	.4	.0						19.7	7.9
ENE	1.4	13.7	12.7	8.6	.0	.0						37.1	8.2
E	.5	5.5	7.5	4.8	.2							18.5	8.6
ESE	.1	.3	1.2	.9	.0							2.5	9.4
SE	.0	.2	1.0	1.4	.1	.0						2.8	11.2
SSE	.0	.2	1.1	1.0	.1	.0						2.5	10.4
S	.1	.5	1.5	.9	.2	.0						3.3	9.9
SSW	.1	.3	.9	.4	.1	.0						1.7	9.5
SW	.0	.2	.6	.3	.0	.0						1.1	9.4
WSW	.0	.1	.4	.3	.0	.0						.9	10.4
W	.1	.1	.4	.4	.1	.0						1.0	10.1
WNW	.0	.1	.2	.3	.0	.0						.7	10.6
NW	.0	.1	.2	.1	.0							.5	8.9
NNW	.0	.1	.1	.0								.3	6.6
VARBL													
CALM												.2	
	3.6	31.2	37.8	24.6	2.3	.2						100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

14602

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

ALL
NORTH

INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL
HOURS (L.S.T.)

5702 SURFACE WINDS JAN 78

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			2.6	2.6								5.1	11.0
NNE		2.6		2.6								5.1	10.5
NE		7.7	2.6									10.3	5.3
ENE		5.1	5.1	2.6								12.8	8.4
E		2.6										2.6	4.0
ESE	2.6	2.6										5.1	3.0
SE			2.6	2.6								5.1	10.5
SSE				2.6	7.7							10.3	17.0
S			5.1	2.6	10.3							17.9	15.6
SSW					2.6							2.6	20.0
SW		5.1		7.7								12.8	9.4
WSW			2.6	2.6								5.1	11.0
W				2.6								2.6	20.0
WNW													
NW													
NNW			2.6									2.6	8.0
VARB													
CALM												0	
	2.6	25.6	23.1	25.6	23.1							100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

39

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING													≥ 0
≥ 1800													
≥ 1500					91.0								92.6
≥ 1200													
≥ 1000													
≥ 900													
≥ 800													
≥ 700													
≥ 600													
≥ 500										97.4			98.1
≥ 400													
≥ 300													
≥ 200													
≥ 100													
0					95.4		96.9			98.3			100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of > 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of > 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling > 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

This summary is prepared from 3-hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.
2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

<u>OKTAS</u>	<u>TENTHS</u>
0	0
1	1
2	3
3	4
4	5
5	6
6	8
7	9
8 (or obscured)	10

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

JAN
MONTH

02
HOURS (L.S.T.)

239

NNNN

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNP

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 18000	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 14000	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 12000	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	70.3	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 9000	71.0	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 8000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 7000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 6000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 5000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	85.2	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	89.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	93.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2000	94.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1800	96.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	96.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTH

05
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 20000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 18000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 16000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 12000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 6000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 4500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	96.1	96.1	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	98.7	98.7	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 16000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 14000	63.9	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 12000	65.2	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 7000	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 6000	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 4500	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4000	86.5	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	89.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	92.3	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	95.5	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

237

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

NNNN

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 0
NO CEILING	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 18000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 16000	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 14000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
8000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
7000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
6000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
5000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
4500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
4000	89.7	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
3500	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
3000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
2500	95.5	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
2000	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1800	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1500	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1000	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

125

NAVWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNNN

NNNN

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
HOURS (L.S.T.)

235

RRRR

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

RRR

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000	66.5	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	67.7	67.7	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	68.4	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 8000	69.0	69.0	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 6000	69.7	69.7	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 5000	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 4500	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4000	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	88.4	88.4	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	91.0	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 2500	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTH17
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 10000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 7000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 6000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 5000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

RRRR

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

RRR

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 14000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 12000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 9000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 8000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

233

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

NNNN

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTH

23
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
18000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
16000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
14000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
12000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
10000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
9000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
8000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
7000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
6000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
5000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
4500	87.7	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
4000	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3500	92.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3000	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2500	95.5	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2000	96.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1800	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1500	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	97.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

135

NAYWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARRERS POINT, HAWAII
STATION NAME

73-77

YEARS

JAN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (L.S.T.)

231

NNNN

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNP

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	61.8	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 16000	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 14000	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	70.3	70.5	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6	70.6
≥ 10000	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 9000	72.0	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	72.7	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 7000	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 6000	72.8	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000	73.6	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 4500	86.2	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 4000	90.2	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 3500	90.5	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 3000	91.5	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	95.3	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	97.5	98.6	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1800	97.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.0	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1200	98.0	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1000	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	98.0	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1240

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

STATION NAME

73-77

YEARS

FEB

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02

HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 20000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 18000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 16000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 14000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 12000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 10000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 9000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 8000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 7000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 6000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 5000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 4500	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 3500	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 3000	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1200	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 800	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 600	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 400	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 300	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 100	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 0	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

141

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)05
HOURS (L.S.T.)

229

MMMM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HHH

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 20000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 18000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 16000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 14000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 12000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 10000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 9000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 8000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 4000	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3500	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2500	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2000	96.5	97.2	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	96.5	97.2	97.2	97.2	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1500	97.2	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	97.2	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	97.2	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	97.2	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	97.2	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	97.2	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	97.2	97.9	97.9	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	97.2	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	97.2	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	97.2	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	97.2	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	97.2	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	97.2	98.6	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 0
NO CEILING	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 20000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 18000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 16000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 14000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 12000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 10000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 9000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 8000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 7000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 6000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 5000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 4000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3500	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 3000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	97.2	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1800	97.2	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	97.9	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

141

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTH11
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 20000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 18000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 16000	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 14000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 9000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 8000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 7000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 6000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 5000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 4000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	97.9	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	97.9	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTH

14
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 18000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 16000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 14000	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 12000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 7000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 6000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 5000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 4500	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 4000	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	85.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3000	90.1	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 2500	95.0	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2000	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1500	95.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	96.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 1000	96.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 900	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0	96.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

141

NAVWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME7-77
YEARSFEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 20000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 18000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 16000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 14000	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 12000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 10000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 9000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 8000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 7000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 6000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 5000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 4000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 3500	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 3000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

NAVWEASERVCOM

225

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNNN

NNN

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTH20
HOURS (L S T)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 20000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
AI 18000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
AI 16000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
AI 14000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
AI 12000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
AI 10000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
AI 9000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
AI 8000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
AI 7000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
AI 6000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
AI 5000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
AI 4500	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
AI 4000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
AI 3500	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
AI 3000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
AI 2500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
AI 2000	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
AI 1800	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
AI 1500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
AI 1200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
AI 1000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
AI 900	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
AI 800	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
AI 700	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
AI 600	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
AI 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

141

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)23
HOURS (L.S.T.)

223

NRND

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

NRND

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 20000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 18000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 16000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 14000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 12000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 10000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 9000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 8000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 7000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 6000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 5000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 4500	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 4000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3500	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 2000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 400	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 100	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS

141

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTHALL
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 20000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 14000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 12000	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 10000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 9000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 8000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 7000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 6000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 5000	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 4500	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4000	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 3000	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2000	97.5	97.9	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	97.6	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1500	97.9	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	98.0	98.7	98.9	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	98.0	98.8	99.0	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	98.0	98.9	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	98.0	98.9	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	98.0	98.9	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	98.0	98.9	99.1	99.2	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	98.0	99.0	99.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	98.0	99.0	99.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	98.0	99.0	99.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	98.0	99.0	99.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	98.0	99.0	99.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	98.0	99.0	99.3	99.4	99.4	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1128

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)02
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 12000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 10000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 14000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 12000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 10000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 9000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)0.8
HOURS (L.S.T.)

219

MMH

5703 CEILING VERSUS VISIBILITY JAN 68

MMH

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 20000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 18000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 16000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 10000		71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 9000		72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 8000		74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
7000		74.2	74.2	74.2	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 6000		74.8	74.8	74.8	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
5000		77.4	77.4	77.4	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
4500		86.5	87.1	87.1	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
4000		88.4	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
3500		88.4	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
3000		88.4	89.0	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
2500		94.8	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2000		96.1	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
1800		96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500		96.8	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0		96.8	98.7	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 20000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 16000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 14000	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 12000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 10000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 9000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 7000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 6000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 5000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 3500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1	47.1
≥ 20000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 18000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 15000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 14000	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 12000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 9000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3500	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 3000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

AD-A063 827

NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C

F/G 4/2

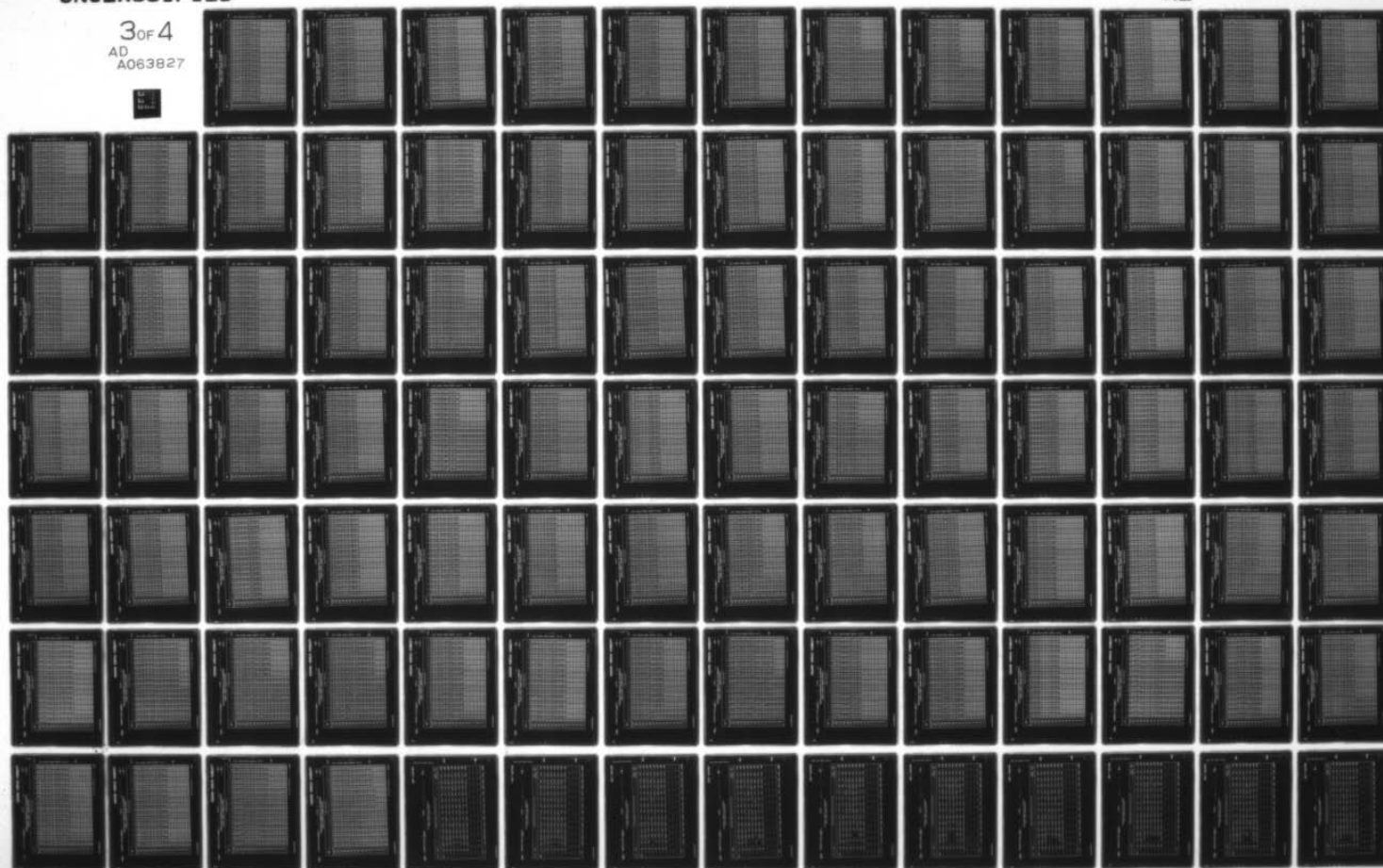
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) BARBERS --ETC(U)
JUN 78

UNCLASSIFIED

NL

3 of 4

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CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 20000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 18000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 14000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 10000	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 8000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22516
STATIONBARBERS POINT, HAWAII
STATION NAME

7-3-77

YEARS

MAR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)20
HOURS (L.S.T.)

215

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNP

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 10000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514 STATION BARBERS POINT, HAWAII 73-77 YEARS MONTH MAR 23 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 18000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 14000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 10000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 9000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 7000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTHALL
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 20000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 18000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 16000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 14000	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 12000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 9000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 7000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 6000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 5000	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 4000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 3500	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

1240

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

APR
MONTH02
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 20000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 18000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 16000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 14000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 12000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 10000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 4500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 3000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

HARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

APR
MONTH

05
HOURS (L.S.T.)

211

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

NNNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 20000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 18000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 16000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 14000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 12000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 10000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 4500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 4000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 16000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 10000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3500	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.7	98.7	98.7
≥ 1800	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.3	99.3	99.3
≥ 1500	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 1200	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 1000	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 900	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 800	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 700	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 600	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 500	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 400	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 300	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 200	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 100	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0
≥ 0	98.0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

22514 STATION BARBERS POINT, HAWAII 73-77 YEARS APR MONTH 11 HOUR DAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 18000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 16000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 14000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 10000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 9000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 8000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 7000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 6000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 4500	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3500	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

APR
MONTH
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
14
HOURS (L S T)

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 18000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 16000		62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 14000		62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 9000		64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 8000		65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 7000		66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 6000		66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
≥ 5000		71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 4500		87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500		89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 3000		90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 2500		98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0		98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

APR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (L.S.T.)

207

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

111

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0	56.0
≥ 20000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
18000	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
16000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
14000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
12000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
10000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
9000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
8000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
7000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
6000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
5000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
4500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
4000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
3500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
3000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

APR
MONTH20
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
AI 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
AI 16000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
AI 14000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
AI 12000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
AI 10000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 9000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 8000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 7000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 6000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 5000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
AI 4500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
AI 4000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
AI 3500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
AI 3000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
AI 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

APR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)23
HOURS (L.S.T.)

205

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

NNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 20000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 18000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 16000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 14000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 12000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 10000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 9000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 8000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 5000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

APR
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)ALL
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 16000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 14000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 10000	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 9000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 8000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 4500	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 3500	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 2500	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	99.3	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	99.3	99.5	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	99.3	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1200

NAVWEASERVCOM

MARP

5703 CEILING VERSUS VISIBILITY JAN 68

MARP

1234-18766

CEILING VERSUS VISIBILITY

22514
17-78BARRERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)02
HOURS (P.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 20000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 18000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 16000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 14000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 12000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 10000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 8000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

125

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)05
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 18000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 14000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 12000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	98.1	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	98.1	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22516 STATION BARBERS POINT, HAWAII 73-77 YEARS MAY MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

08 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 20000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 18000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 16000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 14000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 12000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
10000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
9000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
8000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
7000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
6000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
5000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
4500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
4000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
3500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
3000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½
NO CEILING	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥ 20000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 16000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 12000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 10000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 9000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 8000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 7000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 6000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 5000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 4500	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

RRP

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
HOURS (L.S.T.)

199

HAWAII

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

HAWAII

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 16000		67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 14000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000		68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 10000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 9000		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 8000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 7000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 6000		71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 5000		74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 4500		91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000		91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3500		91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000		91.6	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500		98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0		98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 20000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 18000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 16000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 12000	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 10000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 9000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 8000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 7000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 6000	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 5000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 4500	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 4000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NRNR

NRNR

CEILING VERSUS VISIBILITY

22514 STATION BARBERS POINT, HAWAII 73-77 YEARS MAY MONTH 20 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 20000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 18000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 14000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 12000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 10000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

23
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 20000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 18000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 16000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 14000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 12000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 10000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAY
MONTHHOURS
11-1PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 20000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
18000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
16000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
14000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
12000	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
10000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
9000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
8000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
7000	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
6000	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
5000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
4500	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
4000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
3500	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
3000	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
2500	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
2000	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1800	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1200	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1000	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	99.4	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1240

NAVWEASERVCOM

195

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

02
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 18000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 16000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI 14000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
AI 12000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
AI 10000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 9000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 8000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 7000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 6000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 5000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 4500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
AI 4000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
AI 3500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
AI 3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
AI 2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22814
STATIONHARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)05
HOURS (L.S.T.)

193

HARP

5703 CEILING VERSUS VISIBILITY JAN 68

HARP

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	≥ 20000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
	≥ 18000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	≥ 16000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	≥ 14000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
	≥ 12000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
AI AI	≥ 10000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
	≥ 9000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
AI AI	≥ 8000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
	≥ 7000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
AI AI	≥ 6000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
	≥ 5000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
AI AI	≥ 4500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
	≥ 4000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
AI AI	≥ 3500	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
	≥ 3000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
AI AI	≥ 2500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
	≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI	≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI	≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI	≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI	≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI	≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI	≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI AI	≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTH08
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 12000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 10000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 9000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 8000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 7000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 6000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 5000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 3000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
≥ 20000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
18000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
16000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
14000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
12000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
10000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
9000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
8000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
7000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
6000	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0	66.0
5000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
4500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
4000	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
3500	89.3	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
3000	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2500	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
2000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

191

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

NNNN

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTH16
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 20000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 18000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 16000	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 14000	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 12000	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 10000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 9000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 7000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 6000	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 5000	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3500	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 3000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (L.S.T.)

189

FORM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

FORM

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 20000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
18000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
16000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
14000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
12000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
10000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
9000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
8000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
7000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
6000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
5000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
4500	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
4000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
3000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)20
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 18000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 16000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 12000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 10000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 9000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 8000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 7000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 6000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 5000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 4500	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 4000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME7-77
YEARSJULY
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)23
HOURS (L.T.)

187

NNNN

1234 - 18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 18000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 16000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 14000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 12000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 6000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 5000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 4000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JULY
MONTHALL
HOURS (24)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 20000	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 18000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 16000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥ 14000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 12000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 10000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
8000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
7000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
6000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
5000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
4500	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
4000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
3500	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
3000	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
2500	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
2000	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1800	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1500	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1200	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
1000	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
900	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
800	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
700	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
600	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
500	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
400	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
300	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
200	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
100	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS

1200

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARRERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)02
HOURS (L.S.T.)

185

FORM 1

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

FORM 1

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 20000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 18000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 14000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 9000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 8000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 5000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 4500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 4000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0.5
HOURS (L.S.T.)

MMMM

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

MM

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 20000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 12000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 8000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 7000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 6000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 5000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARRERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)08
HOURS (LST)

183

HMP

5703 CEILING VERSUS VISIBILITY JAN 68

HMP

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 14000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 7000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 6000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 5000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 4500	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

1234-18766

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTH11
HOURS (LST)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 20000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 18000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 16000	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 14000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 12000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 10000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 9000	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 8000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 7000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 6000	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 5000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3500	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 3000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 2500	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

RRR

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

RRR

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTH14
HOURS (L.S.T.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)		VISIBILITY (STATUTE MILES)														
		≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING		59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 20000		67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
18000	AI AI	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
16000	AI AI	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
14000	AI AI	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
12000	AI AI	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
10000	AI AI	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
9000	AI AI	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
8000	AI AI	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
7000	AI AI	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
6000	AI AI	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
5000	AI AI	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
4500	AI AI	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
4000	AI AI	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3500	AI AI	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
3000	AI AI	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
2500	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	AI AI	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 14000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 12000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 10000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 9000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 8000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 7000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 6000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 5000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

MAP

YEARS

CEILING VERSUS VISIBILITY

JUL
MONTH

20
HOURS (L.S.T.)

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JUL
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)23
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 20000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 12000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11-11
HOURS

177

MMHH

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

MMHH

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 20000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 18000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 16000	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 12000	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 10000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 9000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 8000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 7000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 6000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 5000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 4500	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 4000	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3500	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3000	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 2500	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1240

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTH

02
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 20000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 14000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 12000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 10000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 8000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTH
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
0.5
HOURS (L.S.T.)

175

NNNN

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 20000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 12000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 10000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
8000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
7000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
6000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
5000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
4500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
4000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
3000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)0.8
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	80.0	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
8000	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
7000	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
6000	81.3	81.3	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
5000	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
4500	92.3	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
4000	93.6	93.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
3500	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
3000	94.2	94.2	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2500	98.7	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
2000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

7377

TELE

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														TOTAL NUMBER OF OBSERVATIONS
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0	
NO CEILING	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 20000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
18000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
16000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
14000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
12000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
10000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
9000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
8000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
7000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
6000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
5000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
4500	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
4000	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
3500	89.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
3000	90.3	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
2500	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

173

NAME

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

NAME

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 20000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 16000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 14000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 12000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 10000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 9000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 8000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 6000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 4500	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 3500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 700	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 100	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22814
STATIONHARBERS POINT, HAWAII
STATION NAME

7-77

YEARS

AUG
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (S.T.)

171

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

NNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 20000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 12000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 10000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 8000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 4500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 4000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTH

20
HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 20000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 16000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 14000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 12000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 10000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 9000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 7000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

153

NAYWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

門門門

門門門

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

AUG
MONTH
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

 23
 HOURS (LST)

169

HND

5703 CEILING VERSUS VISIBILITY JAN 68

HND

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 20000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 14000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 12000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 10000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 9000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 6000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 5000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 4500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 4000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514 STATION 22514 BARBERS POINT, HAWAII 73-77 YEARS MONTH AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 20000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 18000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 16000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 14000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
≥ 12000	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 10000	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 8000	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 7000	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 6000	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 5000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 4000	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 3500	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 3000	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 600	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
0	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 1240

NAVWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

MM

CEILING VERSUS VISIBILITY

22516
STATION

BARBERS POINT, HAWAII
STATION NAME

72-77

YEARS

SEP
MONTH

**PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

02
MOUSE (C.S.V.)

167

四、

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

22

[illegible]

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514 STATION 22514 BARBERS POINT, HAWAII STATION NAME 73-77 YEARS SEP MONTH 05 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 20000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 18000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 16000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 14000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 12000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 10000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 9000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
8000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
7000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
6000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
5000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
4500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
4000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
3500	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 150

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)08
HOURS (C.S.T.)

165

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

NNNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 20000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
18000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
16000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
14000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
12000	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
10000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
9000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
8000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
7000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
6000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
5000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
4500	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
4000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
3500	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
3000	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2500	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

11
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 20000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 16000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 14000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 12000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 10000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 9000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 8000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 6000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 5000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 4500	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)14
HOURS (L.S.T.)

163

MMMB

5703 CEILING VERSUS VISIBILITY JAN 68

MMMB

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 20000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
18000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
16000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
14000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
12000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
10000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
9000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
8000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
7000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
6000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
5000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
4500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
4000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
3500	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
3000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTH17
HOURS (LST.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 18000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 16000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 14000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 12000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 8000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 7000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 6000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 5000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 4500	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 4000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3500	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 3000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 2000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)20
HOURS (L.S.T.)

161

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 20000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 18000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 16000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 12000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 10000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 9000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 8000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 7000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 5000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 4000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 3500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 3000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

23
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼
NO CEILING	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 20000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 18000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 16000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 14000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 12000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 10000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 9000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 8000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 7000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 6000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 5000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 4000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 2500	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

SEP
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)HOURS
ALL

159

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

NND

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 20000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 18000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 16000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 14000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 12000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 10000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 9000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
8000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
7000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
6000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
5000	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
4500	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
4000	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
3500	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
3000	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
2500	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

1200

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

DCY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

02
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 20000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 12000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 10000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 9000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 5000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 4500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

JCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)05
HOURS (S.T.)

157

NNN

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

NNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 20000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
18000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
16000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
14000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
12000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
10000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
9000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
8000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
7000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
6000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
5000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
4500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
4000	96.8	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
3500	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
3000	97.4	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

OCT
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)08
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	66.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 20000	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 18000	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 16000	78.7	78.7	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 14000	79.4	79.4	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 12000	80.7	80.7	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000	82.6	82.6	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000	83.2	83.2	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 8000	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 7000	84.5	84.5	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 6000	85.2	85.2	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	86.5	86.5	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	94.8	94.8	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 4000	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	96.1	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514

BARBERS POINT, HAWAII

73-77

YEARS

OCT
1957PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NOV 1957

155

NNNN

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

RRR

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	59.4	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 20000	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
18000	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
16000	71.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
14000	71.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
12000	73.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
10000	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
9000	74.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
8000	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
7000	75.5	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
6000	76.1	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
5000	80.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
4500	89.7	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
4000	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
3500	92.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
3000	94.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
2500	97.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2000	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1800	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1500	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1200	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 20000	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 18000	65.8	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 16000	66.5	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 14000	68.4	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 12000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 10000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 9000	71.6	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 8000	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 7000	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 6000	72.9	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 5000	80.0	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3500	91.0	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 3000	92.3	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 2500	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 2000	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	98.7	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

RRRR

NNP

CEILING VERSUS VISIBILITY

22514 STATION 22514 BARBERS POINT, HAWAII 73-77 YEARS OCT 1957 MONTH 17 HOUR (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 20000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 18000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 16000	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6
≥ 14000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 12000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 8000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 7000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 6000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 5000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 4000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

22514 STATION BARBERS POINT, HAWAII 73-77 YEARS OCT MONTH 20 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 5/16
NO CEILING	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 12000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 9000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 8000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 7000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 6000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 5000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 4000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

22814 STATION BARBERS POINT, HAWAII 73-77 YEAR OCT MONTH 22 HOUR (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 20000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 18000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 14000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 12000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 9000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 8000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 6000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 5000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 4500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 4000	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 3000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (PERCENT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 20000	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 18000	75.8	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	75.9	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 14000	76.5	76.8	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 12000	78.5	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 10000	79.7	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	79.9	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 8000	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 7000	80.8	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 6000	81.2	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 5000	84.0	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 4500	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 4000	95.2	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 3500	95.5	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 3000	96.1	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 2500	98.9	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2000	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1240

NAVWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NOV
MONTH

02
HOURS (P.S.T.)

149

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

NNNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 20000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
18000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
16000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
14000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
12000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
10000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
9000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
8000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
7000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
6000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
5000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
4500	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
4000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
3500	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
3000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
2500	95.3	96.0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2000	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1800	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1500	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
900	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
800	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
700	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
600	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
500	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
400	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
300	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
200	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
100	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
0	97.3	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)05
HOURS (L.S.T.)

3145

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

NNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 20000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
AI 18000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
AI 16000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
AI 14000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
AI 12000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 10000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 9000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
AI 8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
AI 7000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
AI 6000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
AI 5000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
AI 4500	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
AI 4000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
AI 3500	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
AI 3000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
AI 2500	93.3	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
AI 2000	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 1800	97.3	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
AI 1500	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 1200	98.0	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
AI 1000	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 900	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 800	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 700	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 600	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 500	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 400	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 300	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 200	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 100	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
AI 0	98.0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)08
HOURS (P. M. T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
14000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
12000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
10000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
9000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
8000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
7000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
6000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
5000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
4500	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0	88.0
4000	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
3500	88.7	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
3000	90.0	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
2500	94.7	95.3	95.3	95.3	95.3	95.3	95.3	96.0	96.0	96.0	96.0	96.0	96.0
2000	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
1800	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
1500	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
1200	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
1000	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
900	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
800	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
700	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
600	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
500	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
400	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
300	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
200	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
100	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3
0	97.3	98.0	98.0	98.0	98.0	98.0	98.0	98.7	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)11
HOURS (P.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 20000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 18000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 16000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 14000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 12000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 10000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 9000	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 8000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 7000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 6000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 5000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 4500	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3500	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 3000	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 2500	93.3	94.0	94.0	94.0	94.0	94.0	94.0	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2000	94.7	95.3	95.3	96.0	96.0	96.0	96.0	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	96.0	96.7	96.7	97.3	97.3	97.3	97.3	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1500	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	96.0	96.7	97.3	98.0	98.0	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 900	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 800	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 400	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 300	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 200	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3
0	96.0	96.7	97.3	98.0	98.7	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3

TOTAL NUMBER OF OBSERVATIONS

150

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTH

14
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 20000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 18000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 16000	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 14000	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 12000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 10000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 9000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 8000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 7000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 6000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥ 5000	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 4500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 4000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3500	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 3000	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 2500	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)17
HOURS (ZST)

3141

HNNB

5703 CEILING VERSUS VISIBILITY JAN 68

1234-18766

HNNB

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥ 20000	54.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
18000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
16000	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
14000	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
12000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
10000	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
9000	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
8000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
7000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
6000	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
5000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
4500	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
4000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
3500	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
3000	85.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
2500	93.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
2000	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1800	97.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.0	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTH

20
HOURS (LST)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 20000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
18000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
16000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
14000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
12000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
10000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
9000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
7000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
6000	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
5000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
4500	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
4000	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
3500	90.7	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
3000	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
2500	94.7	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
2000	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1800	96.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1200	97.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
1000	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

1234 - 18766

5703 CEILING VERSUS VISIBILITY JAN 68

MAP

MAP

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

NOV
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)22
HOURS (C.S.T.)

3139

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

NNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)													≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
≥ 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 12000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 10000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
≥ 9000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 8000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 7000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 6000	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 5000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 4500	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 4000	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3500	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 3000	92.0	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	96.0	96.7	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2000	97.3	98.0	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.0	98.7	98.7	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	99.3	99.3	99.3	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

150

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

NDV
MONTHALL
HOURS (EST.)PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼
NO CEILING	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 20000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 18000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 16000	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 14000	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 12000	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
≥ 10000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 9000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 8000	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 7000	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 6000	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 5000	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 4500	87.4	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4000	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3500	88.6	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 3000	89.8	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 2500	94.9	95.8	95.9	96.0	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	96.8	98.0	98.2	98.3	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	97.1	98.3	98.4	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	97.4	98.6	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1200	97.4	98.6	98.9	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1000	97.5	98.7	99.1	99.3	99.4	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 900	97.5	98.7	99.1	99.3	99.4	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 800	97.5	98.7	99.1	99.3	99.4	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 700	97.5	98.7	99.1	99.3	99.4	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 600	97.5	98.7	99.1	99.3	99.4	99.4	99.4	99.5	99.7	99.7	99.8	99.8	99.8	99.8
≥ 500	97.5	98.7	99.1	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	97.5	98.7	99.1	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	97.5	98.7	99.1	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	97.5	98.7	99.1	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	97.5	98.7	99.1	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	97.5	98.7	99.1	99.3	99.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

1200

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

02
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½
NO CEILING	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
≥ 20000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 16000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 9000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 8000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 7000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 6000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 5000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 4500	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 4000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 3500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514 STATION BARBERS POINT, HAWAII 73-77 YEARS DEC MONTH 05 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥ 20000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 18000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 12000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 10000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 7000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 4500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3500	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 3000	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 155

CEILING VERSUS VISIBILITY

22514
STATIONBARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)08
HOURS (L.S.T.)

3135

CEILING (FEET)	VISIBILITY (STATUTE MILES)														≥ 0
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	
NO CEILING	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 20000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 16000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 14000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 10000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 8000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 7000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4500	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 2500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16
NO CEILING	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 20000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
18000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
16000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
14000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
12000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
10000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
9000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
8000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
7000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
6000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
5000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
4500	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
4000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
3500	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
3000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
2500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2000	96.8	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
1800	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1500	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
1200	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1000	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
700	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
600	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
400	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
300	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
200	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
100	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
0	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS

125

NAVWEASERVCOM

1234-18766

5703 CEILING VERSUS VISIBILITY JAN 68

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

14
HOURS (S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 20000	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 18000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 16000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 14000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 12000	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 10000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 9000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 8000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 7000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 6000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 5000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 4500	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 4000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3500	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 3000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 2500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 2000	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	97.4	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	98.1	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

17
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)												
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16
NO CEILING	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 20000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 18000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 14000	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 12000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 9000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 8000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 7000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 6000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 5000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 4500	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 4000	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 3500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 3000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

STATION NAME
BARRERS POINT, HAWAII

73-77

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

20
HOURS (L.S.T.)

3131

NNNN

5703 CEILING VERSUS VISIBILITY JAN 68

NNNN

CEILING (FEET)	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ ¾	≥ ½	≥ 0
NO CEILING	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 20000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 18000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 16000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 14000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 12000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 10000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 9000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 8000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 7000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 6000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 5000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 4500	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3500	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 3000	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 2500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 2000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 1000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 900	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 100	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 0	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7

TOTAL NUMBER OF OBSERVATIONS

155

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514

BARBERS POINT, HAWAII

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DEC

HOURLY

CEILING (FEET)	VISIBILITY (STATUTE MILES)														TOTAL
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 20000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
18000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
16000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
14000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
12000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
10000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
9000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
8000	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
7000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
6000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
5000	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8
4500	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
4000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
3500	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
3000	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
2500	96.1	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
2000	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1800	98.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1500	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1200	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
1000	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
900	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
800	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
700	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
600	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
500	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
400	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
300	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	98.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

155

CEILING VERSUS VISIBILITY

22514 BARBERS POINT, HAWAII

73-77

YEARS

REF

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MOUSE

3129

REF

5703 CEILING VERSUS VISIBILITY JAN 68

REF

CEILING (FEET)	VISIBILITY (STATUTE MILES)										
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾
NO CEILING	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 20000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 18000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 16000	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
≥ 14000	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 12000	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 10000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 9000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 8000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 7000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 6000	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 5000	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
≥ 4500	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 4000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 3500	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 3000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 2500	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 2000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1800	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

1240

NAVWEASERVCOM

CEILING VERSUS VISIBILITY

22514

BARBERS POINT, HAWAII

73-77

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)													
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ 5/16	≥ ¼	≥ 0
NO CEILING	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 20000	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
18000	73.7	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
16000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
14000	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
12000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
10000	77.1	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
9000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
8000	77.8	77.8	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
7000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
6000	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
5000	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
4500	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
4000	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
3500	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
3000	93.8	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
2500	97.8	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
2000	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
1800	98.9	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
1500	99.0	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
1200	99.0	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
1000	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
900	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
800	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
700	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
600	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
500	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	99.0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS

14608

SKY COVER

22514
STATION

2251
STATION

STATION NAME
BARBERS POINT, HAWAII

STATION NAME

73-77

PERIOD

JAN
MONTH

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	02	12.9	17.4	11.0	11.6	5.8	5.8	6.5	5.8	4.5	3.2	15.5	4.3	155
	05	11.0	14.2	14.8	7.1	10.3	4.5	3.9	5.2	7.7	7.1	14.2	4.6	155
	08	4.5	15.5	15.5	6.5	7.1	5.8	3.2	9.0	7.7	9.7	15.5	5.1	155
	11	1.3	9.7	11.0	13.5	9.7	8.4	6.5	5.2	12.3	11.6	11.0	5.4	155
	14	.6	4.5	18.1	10.3	11.6	6.5	4.5	9.0	8.4	13.5	12.9	5.6	155
	17	1.3	5.8	13.5	13.5	8.4	10.3	6.5	8.4	9.7	8.4	14.2	5.5	155
	20	6.5	12.3	12.9	16.1	7.7	9.7	4.5	3.9	3.9	5.8	16.8	4.7	155
	23	10.3	14.8	11.6	12.3	10.3	7.1	4.5	2.6	5.8	4.5	16.1	4.5	155
TOTALS		6.1	11.8	13.6	11.4	8.9	7.3	5.0	6.1	7.5	8.0	14.5	5.0	1240

FEB
MONTH

PERIOD

73-77

BARBERS POINT, HAWAII
STATION NAME

22514
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
FEB	02	12.1	20.6	15.6	12.8	7.8	5.0	2.8	5.7	6.4	2.8	8.5	3.6	141
	05	9.2	17.7	17.0	9.9	5.7	6.4	6.4	8.5	6.4	3.5	9.2	4.1	141
	08	5.7	13.5	14.9	14.2	5.0	5.7	5.0	9.2	8.5	4.3	14.2	4.8	141
	11	1.4	7.1	9.2	18.4	13.5	6.4	7.1	9.9	6.4	6.4	14.2	5.3	141
	14	.7	2.8	10.6	10.6	12.8	10.6	9.2	8.5	11.3	7.8	14.9	5.9	141
	17	.7	7.1	12.8	13.5	10.6	12.1	3.5	11.3	6.4	9.9	12.1	5.4	141
	20	2.1	17.7	17.0	14.2	12.1	5.0	3.5	7.8	5.0	2.8	12.8	4.4	141
	23	12.8	20.6	20.6	12.8	5.0	5.0	2.8	2.1	5.0	5.0	8.5	3.5	141
TOTALS		5.4	13.4	14.7	13.3	9.1	7.0	5.0	7.9	6.9	5.3	11.8	4.6	1128

SKY COVER

5704 SKY COVER JAN 68

22514 STATION BARBERS POINT, HAWAII PERIOD 73-77 MONTH APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
APR	02	4.7	15.3	16.0	15.3	6.0	7.3	6.0	3.3	5.3	7.3	13.3	150
	05	7.3	18.0	14.7	12.0	9.3	4.0	5.3	3.3	4.0	4.0	18.0	150
	08	2.0	10.0	12.0	16.0	9.3	6.7	5.3	8.7	5.3	7.3	17.3	150
	11		4.0	8.0	14.0	9.3	14.0	6.7	7.3	10.0	8.7	18.0	150
	14		1.3	8.7	10.7	14.0	10.0	9.3	8.0	11.3	10.7	16.0	150
	17	.7	.7	8.0	11.3	18.0	12.0	5.3	10.7	6.7	8.7	18.0	150
	20		11.3	14.7	18.7	7.3	8.0	4.7	6.0	6.7	4.7	18.0	150
	23	4.7	15.3	18.0	12.0	8.0	6.7	6.0	4.0	6.7	4.7	14.0	150
TOTALS		2.4	9.5	12.5	13.8	10.2	8.6	6.1	6.4	7.0	7.0	16.6	1200

NAVWEASERVCOM

SKY COVER

STATION
22514

BARBERS POINT, HAWAII

73-77

PERIOD

MAY

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
MAY	02	3.2	14.2	14.8	14.2	12.3	7.7	6.5	7.1	8.4	5.2	6.5	4.4	155
	05	5.2	9.7	16.6	12.3	13.5	7.1	8.4	7.1	7.1	5.8	7.1	4.5	155
	08	1.9	5.8	12.3	12.3	8.4	14.2	5.2	7.1	12.9	9.7	10.3	5.5	155
	11	.6	1.9	3.2	10.3	12.9	10.3	12.3	12.9	14.2	10.3	11.0	6.2	155
	14	.6		3.2	4.5	16.1	15.5	12.3	11.0	10.3	11.6	14.8	6.5	155
	17	.6		4.5	10.3	10.3	12.9	5.2	13.5	18.1	10.3	14.2	6.5	155
	20	.6	3.2	12.3	13.5	14.8	9.7	5.8	8.4	9.7	9.0	12.9	5.6	155
	23	3.9	9.7	18.1	18.7	8.4	10.3	3.2	7.1	7.1	1.9	11.6	4.5	155
TOTALS		2.1	5.6	10.7	12.0	12.1	11.0	7.4	9.3	11.0	8.0	11.1	5.5	1240

MONTH
JUN

PERIOD

73-77

STATION NAME
BARBERS POINT, HAWAII

22516
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUN	02	3.3	14.7	12.7	12.7	11.3	8.0	10.7	7.3	6.0	2.0	11.3	4.6	150
	05	2.0	10.0	11.3	14.0	12.0	10.7	6.7	8.0	12.7	6.0	6.7	4.9	150
	08	.7	4.7	11.3	16.7	10.0	8.0	10.7	7.3	11.3	9.3	10.0	5.5	150
	11			3.3	8.7	19.3	10.0	6.7	12.7	16.7	12.7	10.0	6.4	150
	14			2.0	9.3	12.7	10.7	10.0	15.3	12.7	13.3	14.0	6.6	150
	17	.7	1.3	8.0	11.3	14.7	6.7	4.7	6.7	21.3	12.7	12.0	6.2	150
	20	1.3	9.3	12.0	14.0	14.0	2.0	7.3	7.3	6.7	16.7	9.3	5.3	150
	23	4.0	14.7	14.7	14.0	10.7	7.3	4.7	9.3	5.3	7.3	8.0	4.5	150
TOTALS		1.5	6.8	9.4	12.6	13.1	7.9	7.7	9.2	11.6	10.0	10.2	5.5	1200

SKY COVER

22514
STATION

BARBERS POINT, HAWAII **STATION NAME**

73-77

PERIOD

MONTH
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JUL	02	10.3	12.3	16.8	11.0	18.7	5.2	4.5	5.8	5.8	7.1	2.6	3.8	155
	05	11.6	14.8	16.1	15.5	10.3	7.7	4.5	4.5	5.8	5.2	3.9	3.6	155
	08	1.9	10.3	19.4	18.1	11.0	5.2	6.5	9.0	8.4	7.1	3.2	4.4	155
	11		.6	6.5	18.7	14.8	14.2	9.0	12.3	10.3	7.7	5.8	5.5	155
	14		1.9	8.4	15.5	12.9	18.7	5.8	9.0	14.2	9.7	3.9	5.5	155
	17		2.6	11.6	18.1	17.4	10.3	4.5	12.9	9.0	9.0	4.5	5.2	155
	20	.6	12.9	17.4	18.1	11.0	6.5	3.9	6.5	11.6	7.7	3.9	4.5	155
	23	11.0	18.1	12.3	15.5	9.0	8.4	5.8	3.9	5.8	5.2	5.2	3.7	155
TOTALS		4.4	9.2	13.6	16.3	13.1	9.5	5.6	8.0	8.9	7.3	4.1	4.5	1240

SKY COVER

5704 SKY COVER JAN 68

AUG
MONTH

PERIOD

73-77

22514 BARBERS POINT, HAWAII
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
AUG	02	5.2	14.8	19.4	16.8	10.3	5.2	9.7	7.1	6.5	1.3	3.9	3.8
	03	10.3	17.4	13.5	14.2	10.3	7.7	7.7	7.7	2.6	2.6	5.8	3.7
	08	.6	12.3	14.8	13.5	11.6	7.1	6.5	9.0	7.1	11.0	6.5	4.9
	11		1.3	9.0	18.7	10.3	11.0	6.5	14.8	11.0	11.6	5.8	5.6
	14		1.3	7.7	20.6	14.2	13.5	5.2	9.7	9.0	5.8	12.9	5.6
	17		2.6	13.5	16.8	14.2	11.6	5.8	6.5	7.7	13.5	7.7	5.4
	20		11.0	22.6	10.3	10.3	8.4	6.5	7.7	7.1	8.4	7.7	4.7
	23	3.9	18.7	20.6	12.3	7.7	7.1	7.7	7.1	5.8	3.9	5.2	3.9
TOTALS		2.5	9.9	15.1	15.4	11.1	9.0	7.0	8.7	7.1	7.3	6.9	4.7
													1240

SKY COVER

5704 SKY COVER JAN 68

SEP
MONTH

PERIOD

73-77

22514 BARBERS POINT, HAWAII
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
SEP	02	8.7	28.0	19.3	10.7	8.0	8.0	4.0	3.3	4.7	3.3	2.0	3.1 150
	05	9.3	22.7	20.7	25.3	4.0	.7	3.3	7.3	3.3	2.0	1.3	2.9 150
	08	1.3	19.3	17.3	19.3	11.3	6.0	2.7	7.3	8.0	4.7	2.7	3.9 150
	11		.7	6.7	24.7	22.0	9.3	6.7	7.3	13.3	6.0	3.3	5.1 150
	14		2.0	4.7	11.3	18.7	16.7	9.3	8.0	12.7	12.0	4.7	5.7 150
	17			8.7	20.0	12.0	14.0	9.3	6.0	13.3	12.7	4.0	5.5 150
	20	1.3	14.7	16.0	20.0	10.7	8.0	8.0	8.0	6.0	3.3	4.0	4.1 150
	23	6.7	26.0	16.0	16.0	8.0	6.7	4.0	7.3	4.7	2.7	2.0	3.3 150
TOTALS		3.4	14.2	13.7	18.4	11.8	8.7	5.9	6.8	8.3	5.8	3.0	4.2 1200

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SKY COVER

5704 SKY COVER JAN 68

OCT
MONTH

73-77
PERIOD

22514 BARBERS POINT, HAWAII
STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
OCT	02	8.4	26.5	14.8	11.6	7.7	3.9	5.2	5.8	3.2	3.9	9.0	155
	05	4.5	27.1	16.1	9.7	8.4	7.7	2.6	7.7	7.1	1.3	7.7	155
	08	.6	12.9	22.6	14.2	5.8	6.5	5.8	7.1	7.1	9.7	7.7	155
	11		3.9	10.3	14.2	11.0	14.2	7.7	12.3	7.7	9.0	9.7	155
	14		1.3	10.3	12.9	11.0	13.5	10.3	12.3	11.6	9.7	7.1	155
	17		3.2	11.0	14.8	14.2	9.0	7.1	9.7	9.7	9.0	12.3	155
	20	2.6	12.9	14.8	16.8	10.3	9.0	3.9	5.8	9.7	5.8	8.4	155
	23	5.8	20.0	17.4	16.8	3.9	5.2	7.1	7.1	6.5	3.2	7.1	155
TOTALS		2.7	13.5	14.7	13.9	9.0	8.6	6.2	8.5	7.8	6.5	8.6	1240

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NAVAL WEATHER SERVICE DETACHMENT ASHEVILLE N C
SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE (SMOS) BARBERS --ETC(U)
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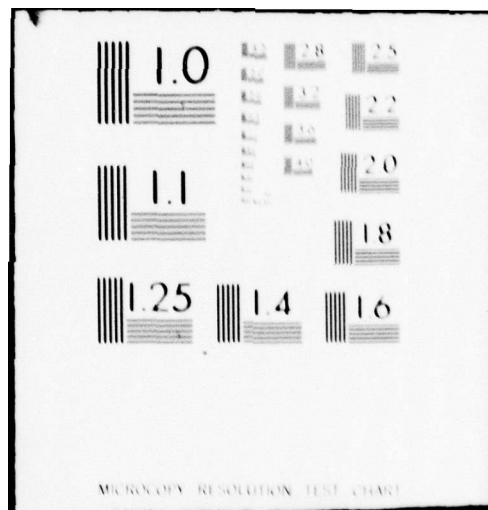
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DEC
MONTHDEC
MONTH

PERIOD

73-77

BARRERS POINT, HAWAII
STATION NAME

22514
STATION

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
DEC	02	11.6	27.7	12.3	4.5	3.2	7.7	4.5	7.1	5.2	5.8	10.3	3.9	155
	05	9.7	29.0	10.3	9.7	7.1	7.7	4.5	3.9	5.8	1.9	10.3	3.7	155
	08	5.2	22.6	14.8	18.1	4.5	2.6	3.2	3.9	3.2	8.4	13.5	4.2	155
	11	3.2	9.7	18.1	13.5	10.3	8.4	3.9	7.1	7.7	5.8	12.3	4.8	155
	14	1.9	5.2	14.2	16.8	9.0	7.1	7.1	5.2	7.7	12.3	13.5	5.4	155
	17	1.3	10.3	20.0	15.5	7.1	3.2	4.5	10.3	5.2	7.7	14.8	5.0	155
	20	5.2	19.4	16.8	13.5	6.5	7.7	5.2	6.5	5.8	2.6	11.0	4.1	155
	23	7.7	27.7	17.4	6.5	10.3	2.6	5.8	4.5	3.2	3.9	10.3	3.7	155
TOTALS		5.7	19.0	15.5	12.3	7.3	5.9	4.8	6.1	5.5	6.1	12.0	4.4	1240

SKY COVER

5704 SKY COVER JAN 68

ALL
MORTH

73-77

22514 BARBERS POINT, HAWAII
STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9	10	
JAN	ALL	6.1	11.8	13.6	11.4	8.9	7.3	5.0	6.1	7.5	8.0	14.5	5.0 1240
FEB		5.6	13.4	14.7	13.3	9.1	7.0	5.0	7.9	6.9	5.3	11.8	4.6 1128
MAR		2.3	8.2	11.8	14.1	10.2	7.9	6.3	6.9	8.8	6.5	17.0	5.4 1240
APR		2.4	9.5	12.5	13.8	10.2	8.6	6.1	6.4	7.0	7.0	16.6	5.3 1200
MAY		2.1	5.6	10.7	12.0	12.1	11.0	7.4	9.3	11.0	8.0	11.1	5.5 1240
JUN		1.5	6.8	9.4	12.6	13.1	7.9	7.7	9.2	11.6	10.0	10.2	5.5 1200
JUL		4.4	9.2	13.6	16.3	13.1	9.5	5.6	6.0	8.9	7.3	4.1	4.5 1240
AUG		2.5	9.9	15.1	15.4	11.1	9.0	7.0	8.7	7.1	7.3	6.9	4.7 1240
SEP		3.4	14.2	13.7	18.4	11.8	8.7	5.9	6.8	8.3	5.8	3.0	4.2 1200
OCT		2.7	13.5	14.7	13.9	9.0	8.6	6.2	8.5	7.8	6.5	8.6	4.7 1240
NOV		3.9	12.0	11.3	11.0	8.6	8.3	5.8	7.3	7.3	8.5	15.9	5.3 1200
DEC		5.7	19.0	15.5	12.3	7.3	5.9	4.8	6.1	5.5	6.1	12.0	4.4 1240
TOTALS		3.6	11.1	13.1	13.7	10.4	8.3	6.1	7.6	8.1	7.2	11.0	4.9 14608

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperature
 - b. Daily minimum temperature
 - c. Daily mean temperature
2. Extreme values - derived from daily observations with extreme value given for each year and month of record available. Extremes are provided for a month if all days for a month contain valid observations. All months for a year must have valid extremes before the ANNUAL value is selected for that year. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extreme temperatures are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: A supplementary list also provides extreme temperatures when less than a full month is reported.
3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and all years combined. The following information is provided:
 - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature vertically. Also provided for each dry-bulb temperature interval is the total no. of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may require two pages in some cases.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sums of values ($\sum X$), means (\bar{X}), and standard deviations (σx). The number of observations used in the computations for each element is also shown.

c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulations by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years available are combined. Tables are prepared for the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.

b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

6. Percentage frequency of occurrence of dry-bulb temperature versus wind direction - This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The main body of the summary consists of dry bulb temperatures spread vertically in four degree increments and horizontally by eight wind directions (plus calm).

DAILY TEMPERATURES

~~22514~~

~~BARBERS POINT, HAWAII~~

49-77

YEARS

MAXIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

[illegible]

DAILY TEMPERATURES

22914

HARBERS POINT, HAWAII
STATION NAME

42-77

YEARS

MINIMUM

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
80						2.0	6.9	16.7	11.9	8.3	1.5		0.0
75	1.0	0.1	0.4	0.5		78.3	91.6	95.7	91.6	80.9	55.8	23.4	6.4
70	14.1	9.0	13.2	24.4	48.7								52.3
65	66.3	64.2	72.6	90.0	97.3	99.3	99.9	99.9	99.9	99.0	94.9	81.2	88.8
60	94.4	94.6	97.9	99.4	100.0	100.0	100.0	100.0	100.0	100.0	99.7	97.4	98.6
55	98.6	98.9	99.9	99.9							100.0	99.9	99.8
50	100.0	100.0	100.0	100.0							100.0	100.0	100.0
45													
40													
35													
30													
25													
20													
15													
10													
5													
0													
MEAN	65.7	65.3	66.2	67.8	69.2	70.8	72.0	72.7	72.3	71.4	69.6	67.2	69.2
S. D.	3.917	3.362	3.164	2.650	2.113	1.892	1.845	1.921	2.050	2.514	2.803	3.354	3.739
TOTAL OBS.	298	819	899	870	899	870	880	899	869	895	869	899	10566

NAVWEASERVCOM

5721 Daily Temperatures Jan 1969

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

22514

BARBERS POINT, HAWAII

1949-1977

JANUARY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	° F	° C	DATE	DATE
1	72.5	22.5	78.8	26.0	84	28.9	84	28.9	1977	1977	66.2	19.0	52	11.1	52	11.1	1973	1973
2	73.2	22.9	79.7	26.5	84	28.9	84	28.9	1952	1952	66.6	19.2	57	13.9	57	13.9	1973	1973
3	73.1	22.8	79.1	26.2	84	28.9	84	28.9	1976*	1976*	67.1	19.5	60	15.6	60	15.6	1971	1971
4	72.8	22.7	79.2	26.2	85	29.4	85	29.4	1971	1971	66.3	19.1	60	15.6	60	15.6	1977	1977
5	72.3	22.4	78.7	25.9	82	27.8	82	27.8	1975	1975	65.9	18.8	60	15.6	60	15.6	1949	1949
6	72.1	22.3	77.8	25.4	82	27.8	82	27.8	1976*	1976*	66.3	19.1	58	14.4	58	14.4	1971	1971
7	71.9	22.2	77.7	25.4	84	28.9	84	28.9	1976	1976	66.0	18.9	55	12.8	55	12.8	1971	1971
8	71.5	21.9	77.9	25.5	82	27.8	82	27.8	1976	1976	65.1	18.4	55	12.8	55	12.8	1949	1949
9	71.7	22.1	77.8	25.4	82	27.8	82	27.8	1976*	1976*	65.5	18.6	55	12.8	55	12.8	1970	1970
10	72.1	22.3	78.2	25.7	83	28.3	83	28.3	1977*	1977*	66.0	18.9	51	10.6	51	10.6	1970	1970
11	71.9	22.2	78.4	25.8	85	29.4	85	29.4	1976	1976	65.4	18.6	54	12.2	54	12.2	1949	1949
12	72.2	22.3	78.5	25.8	84	28.9	84	28.9	1976	1976	66.0	18.9	60	15.6	60	15.6	1970*	1970*
13	72.7	22.6	79.1	26.2	85	29.4	85	29.4	1976	1976	66.3	19.1	52	11.1	52	11.1	1949	1949
14	72.1	22.3	78.9	26.1	83	28.3	83	28.3	1976	1976	65.4	18.6	58	14.4	58	14.4	1949	1949
15	72.7	22.6	79.1	26.2	84	28.9	84	28.9	1976	1976	66.3	19.1	56	13.3	56	13.3	1970	1970
16	72.5	22.5	78.6	25.9	84	28.9	84	28.9	1975	1975	66.4	19.1	58	14.4	58	14.4	1970	1970
17	72.9	22.7	79.3	26.3	84	28.9	84	28.9	1977	1977	66.6	19.2	57	13.9	57	13.9	1969*	1969*
18	72.9	22.7	79.2	26.2	83	28.3	83	28.3	1977*	1977*	66.7	19.3	56	13.3	56	13.3	1969	1969
19	72.4	22.4	79.1	26.2	83	28.3	83	28.3	1975*	1975*	65.7	18.7	58	14.4	58	14.4	1969	1969
20	72.2	22.3	79.4	26.3	85	29.4	85	29.4	1975	1975	65.0	18.3	50	10.0	50	10.0	1969	1969
21	72.4	22.4	79.3	26.3	84	28.9	84	28.9	1977*	1977*	65.5	18.6	58	14.4	58	14.4	1960	1960
22	71.5	21.9	78.6	25.9	84	28.9	84	28.9	1975	1975	64.4	18.0	52	11.1	52	11.1	1969	1969
23	71.6	22.0	78.4	25.8	85	29.4	85	29.4	1973	1973	64.7	18.2	52	11.1	52	11.1	1969	1969
24	71.9	22.2	78.6	25.9	85	29.4	85	29.4	1973	1973	65.3	18.5	54	12.2	54	12.2	1969	1969
25	72.0	22.2	78.8	26.0	84	28.9	84	28.9	1973	1973	65.2	18.4	52	11.1	52	11.1	1949	1949
26	71.9	22.2	79.0	26.1	84	28.9	84	28.9	1976*	1976*	64.7	18.2	54	12.2	54	12.2	1969	1969
27	72.0	22.2	78.8	26.0	87	30.6	87	30.6	1976	1976	65.3	18.5	52	11.1	52	11.1	1969	1969
28	71.4	21.9	78.4	25.8	84	28.9	84	28.9	1977*	1977*	64.3	17.9	56	14.4	56	14.4	1975*	1975*
29	72.3	22.4	79.0	26.1	84	28.9	84	28.9	1976	1976	65.6	18.7	60	15.6	60	15.6	1971*	1971*
30	72.3	22.4	78.8	26.0	85	29.4	85	29.4	1977	1977	65.9	18.8	58	14.4	58	14.4	1952	1952
31	72.2	22.3	78.7	25.9	84	28.9	84	28.9	1977	1977	65.7	18.7	57	13.9	57	13.9	1972*	1972*
Monthly	72.2	22.3	78.7	25.9	87	30.6	87	30.6	1976	1976	65.7	18.7	50	10.0	50	10.0	1969	1969

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

1949-1977

YEARS

FEBRUARY
MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	71.7	22.1	78.5	25.8	83	28.3	65.0	18.3	57	13.9	1972
2	72.0	22.2	79.0	26.1	82	27.8	65.0	18.3	52	11.1	1972
3	71.8	22.1	78.7	25.9	85	29.4	65.0	18.3	53	14.4	1949
4	72.1	22.3	78.5	25.8	85	29.4	65.8	18.8	60	15.6	1949
5	71.8	22.1	78.7	25.9	83	28.3	65.0	18.3	56	13.3	1970
6	71.8	22.1	78.7	25.9	86	30.0	64.9	18.3	56	13.3	1951
7	71.8	22.1	78.7	25.9	83	28.3	64.8	18.2	56	13.3	1970
8	71.4	21.9	78.3	25.7	83	28.3	64.4	18.0	55	12.8	1970
9	71.8	22.1	78.6	25.9	83	28.3	65.0	18.3	55	12.8	1970*
10	71.3	21.8	77.8	25.4	84	28.9	64.9	18.3	58	14.4	1970
11	71.7	22.1	78.8	26.0	84	28.9	64.7	18.2	57	13.9	1970
12	71.9	22.2	78.4	25.8	84	28.9	65.5	18.6	55	12.8	1970
13	72.6	22.6	79.0	26.1	84	28.9	66.2	19.0	58	14.4	1965
14	72.7	22.6	79.0	26.1	85	29.4	66.4	19.1	57	13.9	1973
15	72.3	22.4	78.6	25.9	83	28.3	66.1	18.9	56	13.3	1973*
16	72.1	22.3	78.4	25.8	84	28.9	65.9	18.8	61	16.1	1970*
17	71.9	22.2	78.5	25.8	83	28.3	65.2	18.4	58	14.4	1970
18	71.9	22.2	78.2	25.7	84	28.9	65.7	18.7	59	15.0	1958
19	71.7	22.1	78.6	25.9	85	29.4	64.7	18.2	57	13.9	1973
20	71.8	22.1	77.9	25.5	84	28.9	65.7	18.7	61	16.1	1973*
21	71.5	21.9	78.2	25.7	84	28.9	64.8	18.2	58	14.4	1975*
22	71.8	22.1	78.2	25.7	85	29.4	65.3	18.5	55	12.8	1962
23	71.8	22.1	77.8	25.4	83	28.3	65.8	18.8	61	16.1	1960
24	71.5	21.9	77.6	25.3	83	28.3	65.4	18.6	55	12.8	1973
25	72.2	22.3	78.7	25.9	85	29.4	65.7	18.7	61	16.1	1970*
26	71.9	22.2	79.0	26.1	86	30.0	64.9	18.3	59	15.0	1957
27	72.3	22.4	79.0	26.1	85	29.4	65.7	18.7	56	13.3	1970
28	72.6	22.6	79.6	26.4	86	30.0	65.6	18.7	56	13.3	1970
29	72.9	22.7	80.0	26.7	82	27.8	65.9	18.8	60	15.6	1976
30											
31											
Monthly	71.9	22.2	78.6	25.9	86	30.0	65.3	18.5	52	11.1	1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

22514

BARBERS POINT, HAWAII

1949-1977

MARCH

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	72.6	22.6	78.9	26.1	85	29.4	66.2	19.0	60	15.6	1975*
2	72.9	22.7	79.8	26.6	85	29.4	66.1	18.9	59	15.0	1952
3	72.8	22.7	79.2	26.2	84	28.9	66.3	19.1	60	15.6	1932
4	72.5	22.5	78.9	26.1	85	29.4	66.2	19.0	60	15.6	1975*
5	72.3	22.4	78.4	25.8	85	29.4	66.1	18.9	58	14.4	1949
6	72.3	22.4	79.0	26.1	84	28.9	65.7	18.7	59	15.0	1954*
7	72.4	22.4	79.2	26.2	85	29.4	65.7	18.7	60	15.6	1955
8	72.7	22.6	79.3	26.3	84	28.9	66.1	18.9	61	16.1	1972*
9	72.6	22.6	79.5	26.4	85	29.4	65.8	18.8	59	15.0	1972
10	72.5	22.5	79.4	26.3	85	29.4	65.7	18.7	61	16.1	1969
11	72.4	22.4	79.2	26.2	84	28.9	65.5	18.6	58	14.4	1969
12	72.4	22.4	79.2	26.2	85	29.4	65.6	18.7	57	13.9	1976
13	72.3	22.4	79.0	26.1	85	29.4	65.7	18.7	58	14.4	1976
14	72.3	22.4	78.7	25.9	86	30.0	66.0	18.9	60	15.6	1976
15	72.8	22.7	79.3	26.3	85	29.4	66.2	19.0	59	15.0	1958
16	72.6	22.6	79.4	26.3	85	29.4	65.8	18.8	58	14.4	1958*
17	72.7	22.6	79.3	26.3	84	28.9	66.1	18.9	54	12.2	1955
18	73.3	22.9	79.7	26.5	83	28.3	66.9	19.4	61	16.1	1972*
19	73.4	23.0	80.2	26.8	85	29.4	66.7	19.3	62	16.7	1949
20	73.3	22.9	79.8	26.6	84	28.9	66.8	19.3	61	16.1	1964
21	73.3	22.9	79.6	26.4	83	28.3	67.1	19.5	61	16.1	1958
22	73.2	22.9	79.2	26.2	85	29.4	67.1	19.5	61	16.1	1957
23	73.0	22.8	79.2	26.2	84	28.9	66.7	19.3	62	16.7	1970*
24	72.3	22.4	78.8	26.0	85	29.4	65.8	18.8	57	13.9	1954
25	72.3	22.4	79.3	26.3	83	28.3	65.2	18.4	57	13.9	1957*
26	72.8	22.7	79.6	26.4	84	28.9	66.1	18.9	59	15.0	1955
27	73.3	22.9	79.8	26.6	84	28.9	66.7	19.3	57	13.9	1965
28	73.2	22.9	79.7	26.5	84	28.9	66.7	19.3	61	16.1	1965
29	73.0	22.8	79.7	26.5	85	29.4	66.3	19.1	60	15.6	1975*
30	73.2	22.9	80.0	26.7	85	29.4	66.5	19.2	60	15.6	1975*
31	73.2	22.9	79.6	26.4	87	30.6	66.8	19.3	61	16.1	1972*
Monthly	72.8	22.7	79.4	26.3	87	30.6	66.2	19.0	54	12.2	1955

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

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25 DAILY AVERAGE/EXTREME TEMP MAR 1978

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DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

STATION 22514 BARBERS POINT, HAWAII 1949-1977 APRIL MONTH
STATION NAME YEARS

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE		AVERAGE		EXTREME		AVERAGE		EXTREME			
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C		
1	73.5	23.1	79.7	26.5	84	28.9	1974	67.4	19.7	62	16.7	1966
2	73.4	23.0	79.5	26.4	85	29.4	1977	67.2	19.6	64	17.8	1966*
3	73.5	23.1	79.6	26.4	86	30.0	1971	67.4	19.7	62	16.7	1966
4	73.2	22.9	79.6	26.4	85	29.4	1977*	66.8	19.3	56	13.3	1973
5	73.3	22.9	79.5	26.4	85	29.4	1971	67.0	19.4	60	15.6	1969
6	73.2	22.9	79.4	26.3	85	29.4	1971	67.0	19.4	59	15.0	1973
7	73.6	23.1	80.2	26.8	87	30.6	1971	66.9	19.4	54	12.2	1973
8	73.3	22.9	79.6	26.4	85	29.4	1977	67.0	19.4	57	13.9	1973
9	73.7	23.2	80.1	26.7	86	30.0	1977	67.2	19.6	60	15.6	1969
10	74.0	23.3	80.5	26.9	85	29.4	1977*	67.5	19.7	61	16.1	1975
11	74.0	23.3	80.3	26.8	85	29.4	1977*	67.8	19.9	60	15.6	1975
12	74.4	23.6	80.6	27.0	85	29.4	1977*	68.3	20.2	64	17.8	1975
13	74.3	23.5	80.7	27.1	85	29.4	1977*	67.9	19.9	63	17.2	1951
14	74.4	23.6	80.9	27.2	86	30.0	1971	67.9	19.9	64	17.8	1975
15	73.8	23.2	80.0	26.7	85	29.4	1971	67.5	19.7	63	17.2	1965
16	73.9	23.3	80.5	26.9	84	28.9	1974	67.3	19.6	62	16.7	1965
17	74.2	23.4	80.5	26.9	84	28.9	1974*	67.9	19.9	62	16.7	1967
18	74.3	23.5	80.3	26.8	86	30.0	1971	68.4	20.2	62	16.7	1967
19	74.0	23.3	80.1	26.7	84	28.9	1969	67.9	19.9	63	17.2	1966
20	74.0	23.3	80.4	26.9	85	29.4	1970*	67.6	19.8	60	15.6	1966
21	74.1	23.4	80.5	26.9	84	28.9	1971*	67.8	19.9	60	15.6	1958
22	73.7	23.2	80.5	26.9	85	29.4	1973*	66.9	19.4	56	13.3	1958
23	73.9	23.3	80.2	26.8	85	29.4	1973	67.6	19.8	62	16.7	1969
24	74.3	23.5	80.3	26.8	84	28.9	1973	68.4	20.2	62	16.7	1969
25	74.6	23.7	80.6	27.0	85	29.4	1971	68.6	20.3	64	17.8	1972
26	74.6	23.7	81.0	27.2	86	30.0	1967	68.2	20.1	65	18.3	1977*
27	75.3	24.1	81.7	27.6	86	30.0	1973	68.9	20.5	64	17.8	1974*
28	75.3	24.1	81.2	27.3	85	29.4	1973*	69.4	20.8	65	18.3	1970
29	75.0	23.9	81.0	27.2	86	30.0	1975	68.9	20.5	65	18.3	1960
30	74.8	23.8	81.1	27.3	85	29.4	1969	68.5	20.3	64	17.8	1976
31												
Monthly	74.0	23.3	80.3	26.8	87	30.6	1971	67.8	19.9	54	12.2	1973

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1977

22514

BARBERS POINT, HAWAII

1949-1977

MAY

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	74.7	23.7	80.7	27.1	85	29.4	68.7	20.4	62	16.7	1969
2	74.7	23.7	80.9	27.2	84	28.9	68.5	20.3	64	17.8	1977
3	74.9	23.8	80.9	27.2	85	29.4	68.9	20.5	65	18.3	1952
4	75.0	23.9	81.2	27.3	86	30.0	68.8	20.4	65	18.3	1972*
5	74.8	23.8	80.8	27.1	86	30.0	68.7	20.4	63	17.2	1952
6	74.9	23.8	81.3	27.4	85	29.4	68.5	20.3	63	17.2	1969
7	74.8	23.8	81.2	27.3	86	30.0	68.3	20.2	64	17.8	1969*
8	74.9	23.8	81.7	27.6	85	29.4	68.2	20.1	62	16.7	1969
9	74.8	23.8	81.4	27.4	86	30.0	68.2	20.1	63	17.2	1969
10	74.9	23.8	81.1	27.3	85	29.4	68.8	20.4	64	17.8	1975*
11	75.2	24.0	81.9	27.7	86	30.0	68.6	20.3	62	16.7	1975
12	75.3	24.1	81.7	27.6	86	30.0	68.9	20.5	65	18.3	1969*
13	75.5	24.2	81.8	27.7	86	30.0	69.2	20.7	65	18.3	1952*
14	75.3	24.1	81.4	27.4	86	30.0	69.2	20.7	65	18.3	1952
15	75.5	24.2	82.1	27.8	87	30.6	68.9	20.5	63	17.2	1949
16	75.7	24.3	82.1	27.8	87	30.6	69.2	20.7	64	17.8	1952
17	76.1	24.5	82.4	28.0	88	31.1	69.8	21.0	65	18.3	1952
18	75.9	24.4	82.2	27.9	88	31.1	69.6	20.9	65	18.3	1952
19	75.7	24.3	81.8	27.7	86	30.0	69.7	20.9	64	17.8	1969
20	75.7	24.3	82.2	27.9	86	30.0	69.3	20.7	64	17.8	1969*
21	75.9	24.4	82.2	27.9	86	30.0	69.6	20.9	62	16.7	1969
22	76.1	24.5	82.1	27.8	88	31.1	70.1	21.2	66	18.9	1969*
23	76.1	24.5	82.1	27.8	88	31.1	70.1	21.2	67	19.4	1970*
24	75.9	24.4	82.3	27.9	88	31.1	69.6	20.9	63	17.2	1970
25	76.0	24.4	82.6	28.1	88	31.1	69.4	20.8	65	18.3	1972
26	76.1	24.5	82.3	27.9	86	30.0	69.6	21.0	64	17.8	1952
27	76.1	24.5	82.4	28.0	87	30.6	69.8	21.0	66	18.9	1975*
28	76.7	24.8	82.9	28.3	87	30.6	70.4	21.3	67	19.4	1970
29	76.2	24.6	82.5	28.1	87	30.6	69.9	21.1	63	17.2	1975
30	76.4	24.7	82.9	28.3	88	31.1	70.0	21.1	64	17.8	1975
31	76.5	24.7	83.3	28.5	87	30.6	69.7	20.9	66	18.9	1969*
Monthly	75.6	24.2	81.9	27.7	88	31.1	69.2	20.7	62	16.7	1975*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

DAILY AVERAGE/EXTREME TEMPERATURES

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

JUNE MONTH

1949-1977

BARBERS POINT, HAWAII

MONTH

YEARS

STATION NAME

DAY	MEAN TEMP		MAXIMUM TEMP				MINIMUM TEMP					
	AVERAGE ° F	° C	AVERAGE ° F	EXTREME ° F	° C	DATE	AVERAGE ° F	EXTREME ° F	° C	DATE		
1	76.3	24.6	83.1	28.4	87	30.6	1974*	69.6	20.9	64	17.8	1968
2	76.3	24.6	82.9	28.3	89	31.7	1974	69.8	21.0	64	17.8	1968
3	76.5	24.7	83.1	28.4	86	30.0	1974*	69.9	21.1	66	18.9	1975*
4	76.6	24.8	83.1	28.4	88	31.1	1968	70.0	21.1	66	18.9	1972*
5	76.7	24.8	83.3	28.5	87	30.6	1968*	70.0	21.1	63	17.2	1969
6	76.8	24.9	83.6	28.7	89	31.7	1968	70.1	21.2	63	17.2	1969
7	77.2	25.1	83.6	28.7	87	30.6	1974*	70.8	21.6	67	19.4	1949
8	77.2	25.1	83.2	28.4	88	31.1	1968	71.1	21.7	68	20.0	1949
9	77.3	25.2	83.7	28.7	89	31.7	1968	71.0	21.7	68	20.0	1976*
10	77.1	25.1	83.5	28.6	88	31.1	1974	70.6	21.4	63	20.0	1977*
11	77.0	25.0	83.6	28.7	89	31.7	1974*	70.4	21.3	67	19.4	1976
12	77.2	25.1	83.7	28.7	89	31.7	1968	70.7	21.5	66	18.9	1969
13	76.9	24.9	83.3	28.5	87	30.6	1968	70.6	21.4	64	17.8	1969
14	77.2	25.1	83.6	28.7	89	31.7	1968	70.8	21.6	66	18.9	1976
15	77.2	25.1	83.5	28.6	89	31.7	1974	70.9	21.6	67	19.4	1970
16	77.5	25.3	83.8	28.8	88	31.1	1968	71.2	21.8	68	20.0	1969
17	77.4	25.2	83.9	28.8	89	31.7	1972	70.9	21.6	69	20.6	1969*
18	77.2	25.1	83.6	28.7	89	31.7	1968	70.9	21.6	67	19.4	1973
19	77.1	25.1	83.6	28.7	88	31.1	1969	70.7	21.5	61	16.1	1975
20	77.1	25.1	83.5	28.6	87	30.6	1974*	70.7	21.5	68	20.0	1968*
21	77.0	25.0	83.3	28.5	88	31.1	1968	70.8	21.6	67	19.4	1968
22	77.5	25.3	83.9	28.8	88	31.1	1975*	71.1	21.7	68	20.0	1976*
23	77.7	25.4	84.3	29.1	89	31.7	1968	71.2	21.8	68	20.0	1976*
24	77.5	25.3	83.6	28.7	89	31.7	1968	71.4	21.9	67	19.4	1951
25	77.7	25.4	84.1	28.9	89	31.7	1968	71.3	21.8	68	20.0	1976*
26	77.7	25.4	83.9	28.8	88	31.1	1977*	71.6	22.0	68	20.0	1949
27	77.5	25.3	83.7	28.7	88	31.1	1974*	71.3	21.8	68	20.0	1977
28	77.7	25.4	83.9	28.8	88	31.1	1975	71.6	22.0	68	20.0	1977*
29	77.5	25.3	83.6	28.7	90	32.2	1968	71.3	21.8	66	18.9	1951
30	77.5	25.3	83.6	28.7	89	31.7	1968	71.4	21.9	69	20.6	1950
31												
Monthly	77.2	25.1	83.6	28.7	90	32.2	1968	70.8	21.6	61	16.1	1975

ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMPERATURES MAR 1978

STATION 22514 BARBERS POINT, HAWAII STATION NAME 1949-1977 YEARS MONTH JULY

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		AVERAGE		EXTREME		AVERAGE		EXTREME		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	77.5	25.3	83.9	28.8	88	31.1	71.1	21.7	68	20.0	71.1	21.7	68	20.0	1968
2	77.5	25.3	83.8	28.8	88	31.1	71.2	21.8	66	18.9	71.2	21.8	66	18.9	1968
3	77.8	25.4	84.3	29.1	89	31.7	71.4	21.9	68	20.0	71.4	21.9	68	20.0	1968*
4	77.7	25.4	83.9	28.8	88	31.1	71.5	21.9	68	20.0	71.5	21.9	68	20.0	1968
5	78.0	25.6	84.2	29.0	88	31.1	71.9	22.2	69	20.6	71.9	22.2	69	20.6	1975*
6	78.1	25.6	84.4	29.1	89	31.7	71.8	22.1	69	20.6	71.8	22.1	69	20.6	1968
7	78.1	25.6	84.2	29.0	88	31.1	72.0	22.2	68	20.0	72.0	22.2	68	20.0	1968*
8	78.0	25.6	84.1	28.9	88	31.1	71.9	22.2	69	20.6	71.9	22.2	69	20.6	1950
9	77.9	25.5	84.5	29.2	90	32.2	71.4	21.9	68	20.0	71.4	21.9	68	20.0	1968
10	78.0	25.6	84.5	29.2	88	31.1	71.6	22.0	69	20.6	71.6	22.0	69	20.6	1975*
11	77.9	25.5	84.1	28.9	88	31.1	71.7	22.1	66	18.9	71.7	22.1	66	18.9	1974
12	78.3	25.7	84.5	29.2	89	31.7	72.1	22.3	70	21.1	72.1	22.3	70	21.1	1974*
13	78.5	25.8	84.5	29.2	89	31.7	72.5	22.5	69	20.6	72.5	22.5	69	20.6	1950
14	78.2	25.7	84.4	29.1	90	32.2	72.0	22.2	67	19.4	72.0	22.2	67	19.4	1976
15	78.3	25.7	84.5	29.2	90	32.2	72.1	22.3	68	20.0	72.1	22.3	68	20.0	1949
16	78.0	25.6	84.1	28.9	88	31.1	72.0	22.2	68	20.0	72.0	22.2	68	20.0	1976
17	78.2	25.7	84.4	29.1	89	31.7	72.0	22.2	69	20.6	72.0	22.2	69	20.6	1976*
18	78.4	25.8	84.7	29.3	89	31.7	72.1	22.3	68	20.0	72.1	22.3	68	20.0	1976*
19	78.3	25.7	84.7	29.3	89	31.7	72.0	22.2	68	20.0	72.0	22.2	68	20.0	1971
20	78.3	25.7	84.7	29.3	90	32.2	71.8	22.1	64	17.8	71.8	22.1	64	17.8	1974
21	78.4	25.8	84.4	29.1	88	31.1	72.3	22.4	66	18.9	72.3	22.4	66	18.9	1974
22	78.4	25.8	84.9	29.4	90	32.2	72.0	22.2	68	20.0	72.0	22.2	68	20.0	1955
23	78.5	25.8	84.8	29.3	89	31.7	72.1	22.3	67	19.4	72.1	22.3	67	19.4	1977
24	78.5	25.8	84.8	29.3	89	31.7	72.1	22.3	68	20.0	72.1	22.3	68	20.0	1977
25	78.6	25.9	84.9	29.4	89	31.7	72.4	22.4	69	20.6	72.4	22.4	69	20.6	1977
26	78.6	25.9	84.8	29.3	89	31.7	72.4	22.4	69	20.6	72.4	22.4	69	20.6	1977
27	78.8	26.0	85.3	29.6	90	32.2	72.3	22.4	68	20.0	72.3	22.4	68	20.0	1976
28	78.6	25.9	84.9	29.4	90	32.2	72.4	22.4	68	20.0	72.4	22.4	68	20.0	1976
29	78.3	25.7	84.8	29.2	89	31.7	72.1	22.3	67	19.4	72.1	22.3	67	19.4	1974
30	78.7	25.9	85.0	29.4	90	32.2	72.4	22.4	67	19.4	72.4	22.4	67	19.4	1974
31	78.7	25.9	84.8	29.3	89	31.7	72.7	22.6	67	19.4	72.7	22.6	67	19.4	1976
Monthly	78.5	25.7	84.5	29.2	90	32.2	72.0	22.2	64	17.8	72.0	22.2	64	17.8	1974

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

525

25 DAILY AVERAGE/EXTREME TEMP MAR 1978

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0000

STATION
22514

BARBERS POINT, HAWAII
STATION NAME

1949-1977

YEARS

AUGUST

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP		MINIMUM TEMP		DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	AVERAGE ° F	EXTREME ° F	
1	78.7	25.9	85.0	88	72.4	69	1977*
2	78.5	25.8	84.6	89	72.5	70	1972
3	78.6	25.9	85.0	88	72.2	70	1977*
4	78.7	25.9	84.9	90	72.5	68	1973
5	78.9	26.1	85.3	90	72.6	68	1973*
6	78.8	26.0	85.0	89	72.7	68	1973*
7	79.1	26.2	85.4	90	72.7	69	1972*
8	78.6	25.9	85.2	90	72.1	61	1973
9	78.7	25.9	85.0	89	72.3	69	1968
10	79.0	26.1	85.6	89	72.4	69	1977*
11	79.1	26.2	85.6	90	72.7	69	1968
12	79.6	26.4	85.7	90	73.6	70	1973
13	79.3	26.3	85.4	90	73.2	70	1974
14	79.4	26.3	85.4	90	73.3	71	1972*
15	79.2	26.2	85.3	91	73.1	70	1971
16	79.0	26.1	85.3	91	72.7	68	1971
17	79.5	26.4	85.4	89	73.5	69	1973*
18	79.4	26.3	85.4	89	73.4	70	1977*
19	79.1	26.2	85.0	90	73.1	69	1977
20	79.1	26.2	85.4	91	72.7	69	1970
21	79.1	26.2	85.4	90	72.7	69	1977*
22	78.7	25.9	85.3	90	72.1	66	1977*
23	78.9	26.1	85.4	89	72.3	65	1977*
24	79.2	26.2	85.2	90	73.1	68	1977*
25	79.2	26.2	85.3	90	73.0	67	1974*
26	78.9	26.1	85.1	90	72.8	68	1971
27	78.9	26.1	85.3	89	72.6	69	1977*
28	78.9	26.1	85.3	90	72.5	69	1977
29	78.7	25.9	85.2	90	72.2	68	1977
30	78.8	26.0	85.1	90	72.5	68	1968
31	78.9	26.1	85.2	90	72.7	68	1977*
Monthly	79.0	26.1	85.2	91	72.7	61	1971*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22514

BARBERS POINT, HAWAII

1969-1977

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		MAXIMUM TEMP			MINIMUM TEMP			DATE
	AVERAGE ° F	AVERAGE ° C	AVERAGE ° F	EXTREME ° F	EXTREME ° C	AVERAGE ° F	EXTREME ° F	EXTREME ° C	
1	79.1	26.2	85.6	29.8	91	32.8	72.6	22.6	19.4
2	79.0	26.1	85.3	29.6	90	32.2	72.8	22.7	20.6
3	79.3	26.3	85.6	29.8	90	32.2	73.0	22.8	20.0
4	79.2	26.2	85.8	29.9	91	32.8	72.6	22.6	20.0
5	78.8	26.0	85.5	29.7	90	32.2	72.1	22.3	19.4
6	78.8	26.0	85.7	29.8	92	33.3	71.9	22.2	18.9
7	78.9	26.1	85.7	29.8	92	33.3	72.2	22.3	17.2
8	78.9	26.1	85.5	29.7	92	33.3	72.3	22.4	19.4
9	79.0	26.1	85.5	29.7	90	32.2	72.5	22.5	20.6
10	79.2	26.2	85.9	29.9	90	32.2	72.6	22.6	21.1
11	79.2	26.2	85.7	29.8	90	32.2	72.7	22.6	21.1
12	78.7	25.9	85.2	29.6	89	31.7	72.2	22.3	19.4
13	79.0	26.1	85.7	29.8	92	33.3	72.3	22.4	20.0
14	79.0	26.1	85.7	29.8	92	33.3	72.3	22.4	20.6
15	79.2	26.2	85.8	29.9	90	32.2	72.5	22.5	20.0
16	78.8	26.0	85.3	29.6	90	32.2	72.3	22.4	20.0
17	78.8	26.0	85.0	29.4	90	32.2	72.5	22.5	20.6
18	79.1	26.2	85.7	29.8	90	32.2	72.4	22.4	20.0
19	78.9	26.1	85.6	29.8	90	32.2	72.2	22.3	20.6
20	78.7	25.9	85.6	29.8	91	32.8	71.8	22.1	20.0
21	78.8	26.0	85.6	29.8	91	32.8	72.1	22.3	20.0
22	79.1	26.2	85.8	29.9	91	32.8	72.4	22.4	20.0
23	78.8	26.0	85.3	29.6	89	31.7	72.2	22.3	20.0
24	79.3	26.3	85.7	29.8	91	32.8	72.8	22.7	19.4
25	78.9	26.1	85.7	29.8	90	32.2	72.2	22.3	20.6
26	78.9	26.1	85.8	29.9	91	32.8	72.0	22.2	20.0
27	78.6	25.9	85.3	29.6	89	31.7	71.9	22.2	19.4
28	78.5	25.8	85.1	29.5	89	31.7	71.9	22.2	20.6
29	78.7	25.9	85.3	29.6	89	31.7	72.1	22.3	18.9
30	78.6	25.9	84.9	29.4	88	31.1	72.2	22.3	20.0
31									
Monthly	78.9	26.1	85.5	29.7	92	33.3	72.3	22.4	17.2

* ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

22514

BARBERS POINT, HAWAII

1949-1977

OCTOBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	78.5	25.8	84.7	29.3	91	32.8	91	32.8	72.4	22.4	66	18.9	1973
2	78.7	25.9	85.1	29.5	90	32.2	90	32.2	72.2	22.3	66	18.9	1973*
3	78.7	25.9	85.0	29.4	89	31.7	89	31.7	72.3	22.4	65	18.3	1977*
4	79.1	26.2	85.8	29.9	91	32.8	91	32.8	72.4	22.4	66	18.9	1970
5	78.7	25.9	85.6	29.8	90	32.2	90	32.2	71.9	22.2	64	17.8	1975*
6	78.2	25.7	85.0	29.4	91	32.8	91	32.8	71.4	21.9	65	18.3	1970
7	78.5	25.8	84.9	29.4	90	32.2	90	32.2	72.1	22.3	69	20.6	1968
8	78.1	25.6	84.3	29.1	88	31.1	88	31.1	71.8	22.1	65	18.3	1976*
9	78.2	25.7	84.4	29.1	90	32.2	90	32.2	71.9	22.2	66	18.9	1973
10	76.3	25.7	84.6	29.2	88	31.1	88	31.1	71.9	22.2	63	20.0	1976*
11	78.0	25.6	84.3	29.1	89	31.7	89	31.7	71.7	22.1	66	18.9	1976*
12	78.0	25.6	84.7	29.3	88	31.1	88	31.1	71.3	21.8	67	19.4	1977*
13	77.8	25.4	84.2	29.0	89	31.7	89	31.7	71.3	21.8	64	17.8	1976
14	77.8	25.4	84.4	29.1	88	31.1	88	31.1	71.2	21.8	67	19.4	1968
15	78.3	25.7	84.8	29.3	91	32.8	91	32.8	71.7	22.1	67	19.4	1977
16	77.6	25.3	83.8	28.8	90	32.2	90	32.2	71.4	21.9	66	18.9	1976
17	77.8	25.4	84.0	28.9	88	31.1	88	31.1	71.7	22.1	68	20.0	1977*
18	77.8	25.4	84.3	29.1	90	32.2	90	32.2	71.3	21.8	65	18.3	1974
19	77.8	25.4	84.1	28.9	69	31.7	69	31.7	71.6	22.0	66	18.9	1974
20	77.7	25.4	83.9	28.8	88	31.1	88	31.1	71.4	21.9	66	18.9	1971*
21	77.8	25.4	84.3	29.1	89	31.7	89	31.7	71.2	21.8	65	18.3	1974
22	77.7	25.4	83.9	28.8	89	31.7	89	31.7	71.6	22.0	66	18.9	1974
23	77.7	25.4	84.2	29.0	88	31.1	88	31.1	71.2	21.8	63	17.2	1976*
24	77.7	25.4	84.3	29.1	88	31.1	88	31.1	71.0	21.7	63	17.2	1976*
25	74.5	23.6	78.4	25.8	88	31.1	88	31.1	70.6	21.4	63	17.2	1974*
26	77.5	25.3	83.8	28.8	88	31.1	88	31.1	71.1	21.7	61	16.1	1973
27	77.0	25.0	83.6	28.7	87	30.6	87	30.6	70.4	21.3	63	17.2	1970
28	77.1	25.1	83.5	28.6	87	30.6	87	30.6	70.7	21.5	64	17.8	1961
29	76.8	24.9	83.0	28.3	87	30.6	87	30.6	70.5	21.4	66	18.9	1974*
30	76.9	24.9	83.2	28.4	86	30.0	86	30.0	70.5	21.4	66	18.9	1977*
31	76.6	24.8	83.0	28.3	89	31.7	89	31.7	70.1	21.2	65	18.3	1968
Monthly	77.8	25.4	84.1	28.9	91	32.8	91	32.8	71.4	21.9	61	16.1	1977*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

5725 DAILY AVERAGE/EXTREME TEMP MAR 1978

22514

BARBERS POINT, HAWAII

1949-1977

NOVEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		AVERAGE		MINIMUM TEMP		DATE
	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	° F	° C	
1	76.5	24.7	83.0	28.3	87	30.6	87	30.6	70.0	21.1	63	17.2	1969
2	76.6	24.8	83.5	28.6	88	31.1	88	31.1	69.7	20.9	63	17.2	1969
3	76.4	24.7	82.8	28.2	89	31.7	89	31.7	70.0	21.1	65	18.3	1955
4	76.3	24.6	83.4	28.6	87	30.6	87	30.6	69.3	20.7	64	17.8	1976
5	76.7	24.8	83.0	28.3	86	30.0	86	30.0	70.3	21.3	67	19.4	1976*
6	76.4	24.7	82.5	28.1	86	30.0	86	30.0	70.3	21.3	65	18.3	1968*
7	76.8	24.9	83.2	28.4	86	30.0	86	30.0	70.4	21.3	65	18.3	1950
8	76.7	24.8	82.9	28.3	86	30.0	86	30.0	70.6	21.4	65	18.3	1968*
9	76.5	24.7	82.7	28.2	88	31.1	88	31.1	70.3	21.3	63	17.2	1969
10	76.4	24.7	82.5	28.1	88	31.1	88	31.1	70.4	21.3	65	18.3	1976
11	76.2	24.6	82.1	27.8	86	30.0	86	30.0	70.3	21.3	63	17.2	1976
12	75.9	24.4	82.0	27.8	86	30.0	86	30.0	69.8	21.0	64	17.8	1976
13	76.1	24.5	82.1	27.8	87	30.6	87	30.6	70.1	21.2	63	17.2	1949
14	75.7	24.3	81.9	27.7	85	29.4	85	29.4	69.5	20.8	64	17.8	1950*
15	76.4	24.7	83.0	28.3	88	31.1	88	31.1	69.7	20.9	64	17.8	1974
16	76.3	24.6	82.3	27.9	88	31.1	88	31.1	70.2	21.2	64	17.8	1974
17	76.0	24.4	82.0	27.8	86	30.0	86	30.0	70.0	21.1	65	18.3	1949
18	75.6	24.2	81.8	27.7	87	30.6	87	30.6	69.3	20.7	65	18.3	1949
19	75.3	24.1	81.5	27.5	87	30.6	87	30.6	69.0	20.6	64	17.8	1977*
20	75.6	24.2	81.5	27.5	86	30.0	86	30.0	69.7	20.9	62	16.7	1949
21	75.2	24.0	81.6	27.6	86	30.0	86	30.0	68.9	20.5	60	15.6	1949
22	74.7	23.7	81.2	27.3	85	29.4	85	29.4	68.2	20.1	57	13.9	1970
23	74.9	23.8	81.1	27.3	86	30.0	86	30.0	68.7	20.4	60	15.6	1976*
24	75.5	24.2	81.2	27.3	84	28.9	84	28.9	69.9	21.1	62	16.7	1958
25	75.0	23.9	80.6	27.0	85	29.4	85	29.4	69.3	20.7	63	17.2	1976*
26	74.7	23.7	80.7	27.1	85	29.4	85	29.4	68.7	20.4	62	16.7	1972*
27	74.6	23.7	81.0	27.2	86	30.0	86	30.0	68.3	20.2	57	13.9	1972
28	74.8	23.8	81.0	27.2	85	29.4	85	29.4	68.7	20.4	58	14.4	1972
29	74.7	23.7	80.5	26.9	87	30.6	87	30.6	68.8	20.4	60	15.6	1972
30	74.7	23.7	80.9	27.2	85	29.4	85	29.4	68.5	20.3	60	15.6	1972
31													
Monthly	75.8	24.3	82.0	27.8	89	31.7	89	31.7	69.6	20.9	57	13.9	1972*

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

NAVAL WEATHER SERVICE DETACHMENT
ASHEVILLE, NORTH CAROLINA

DAILY AVERAGE/EXTREME TEMPERATURES

22514

BARBERS POINT, HAWAII

1949-1977

DECEMBER

STATION

STATION NAME

YEARS

MONTH

DAY	MEAN TEMP		AVERAGE		MAXIMUM TEMP		EXTREME		DATE		AVERAGE		MINIMUM TEMP		EXTREME		DATE	
	° F	° C	° F	° C	° F	° C	° F	° C	DATE	DATE	° F	° C	° F	° C	° F	° C	DATE	DATE
1	74.5	23.6	80.4	26.9	84	28.9	84	28.9	1974*	1974*	68.6	20.3	61	16.1	61	16.1	1972	1972
2	74.8	23.8	80.7	27.1	87	30.6	87	30.6	1966*	1966*	68.9	20.5	62	16.7	62	16.7	1976*	1976*
3	74.5	23.6	80.6	27.0	88	31.1	88	31.1	1975	1975	68.3	20.2	62	16.7	62	16.7	1976*	1976*
4	74.2	23.4	80.6	27.0	87	30.6	87	30.6	1975	1975	67.8	19.9	62	16.7	62	16.7	1976*	1976*
5	74.0	23.3	80.5	26.9	86	30.0	86	30.0	1975	1975	67.4	19.7	61	16.1	61	16.1	1956	1956
6	73.6	23.1	79.9	26.6	87	30.6	87	30.6	1975	1975	67.2	19.6	62	16.7	62	16.7	1968*	1968*
7	73.8	23.2	79.8	26.6	88	31.1	88	31.1	1975	1975	67.8	19.9	64	17.8	64	17.8	1972	1972
8	74.0	23.3	80.2	26.8	88	31.1	88	31.1	1969	1969	67.8	19.9	62	16.7	62	16.7	1963	1963
9	74.3	23.5	80.4	26.9	86	30.0	86	30.0	1971	1971	68.1	20.1	63	17.2	63	17.2	1976*	1976*
10	73.4	23.0	79.5	26.4	86	30.0	86	30.0	1977	1977	67.4	19.7	56	13.3	56	13.3	1972	1972
11	73.4	23.0	79.8	26.6	84	28.9	84	28.9	1977*	1977*	67.1	19.5	53	11.7	53	11.7	1972	1972
12	73.5	23.1	79.5	26.4	86	30.0	86	30.0	1977	1977	67.6	19.8	57	13.9	57	13.9	1972	1972
13	73.8	23.2	79.8	26.6	88	31.1	88	31.1	1977	1977	67.8	19.9	58	14.4	58	14.4	1972	1972
14	73.5	23.1	79.3	26.3	88	31.1	88	31.1	1977	1977	67.7	19.8	63	17.2	63	17.2	1972*	1972*
15	73.8	23.2	80.2	26.8	87	30.6	87	30.6	1977	1977	67.3	19.6	62	16.7	62	16.7	1969	1969
16	73.3	22.9	79.6	26.4	85	29.4	85	29.4	1977*	1977*	67.0	19.4	61	16.1	61	16.1	1969	1969
17	73.2	22.9	79.0	26.1	84	28.9	84	28.9	1974	1974	67.4	19.7	57	13.9	57	13.9	1969	1969
18	72.9	22.7	78.7	25.9	84	28.9	84	28.9	1974	1974	67.1	19.5	57	13.9	57	13.9	1969	1969
19	72.6	22.6	78.8	26.0	84	28.9	84	28.9	1956	1956	66.4	19.1	60	15.6	60	15.6	1972	1972
20	72.4	22.4	79.0	26.1	84	28.9	84	28.9	1974	1974	65.7	18.7	57	13.9	57	13.9	1969*	1969*
21	72.8	22.7	79.4	26.3	83	28.3	83	28.3	1968	1968	66.1	18.9	56	13.3	56	13.3	1969	1969
22	73.2	22.9	79.7	26.5	85	29.4	85	29.4	1974	1974	66.8	19.3	55	12.8	55	12.8	1969	1969
23	73.2	22.9	79.9	26.6	84	28.9	84	28.9	1974	1974	66.5	19.2	58	14.4	58	14.4	1969	1969
24	73.6	23.1	80.2	26.8	85	29.4	85	29.4	1974	1974	67.0	19.4	60	15.6	60	15.6	1971	1971
25	73.2	22.9	79.8	26.6	83	28.3	83	28.3	1976*	1976*	66.6	19.2	60	15.6	60	15.6	1968	1968
26	73.3	22.9	79.7	26.5	83	28.3	83	28.3	1972	1972	66.9	19.4	57	13.9	57	13.9	1968	1968
27	73.3	22.9	79.8	26.6	84	28.9	84	28.9	1974	1974	66.9	19.4	59	15.0	59	15.0	1968	1968
28	73.0	22.8	79.2	26.2	85	29.4	85	29.4	1977	1977	66.8	19.3	60	15.6	60	15.6	1968*	1968*
29	72.8	22.7	79.4	26.3	84	28.9	84	28.9	1977*	1977*	66.1	18.9	58	14.4	58	14.4	1953	1953
30	72.6	22.6	79.3	26.3	84	28.9	84	28.9	1976*	1976*	65.9	18.8	56	13.3	56	13.3	1968	1968
31	72.9	22.7	79.7	26.5	84	28.9	84	28.9	1976	1976	66.0	18.9	60	15.6	60	15.6	1972*	1972*
Monthly	73.5	23.1	79.8	26.6	88	31.1	88	31.1	1977*	1977*	67.2	19.6	53	11.7	53	11.7	1972	1972

*ALSO ON EARLIER YEARS

DIRNAVOCEANMET-SMOS

EXTREME VALUES

MAXIMUM TEMPERATURE
(FROM DAILY OBSERVATIONS)

22514 BARBERS POINT, HAWAII 49-77 YEARS

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	82	81	82	81	83	83	86	86	86	85	84	82	
50	82	82	82	82	84	85	86	87	86	87	87	81	
51	82	82	84	83	85	87	88	88	90	88	86	82	90
52	84	83	84	81	84	84	85	87	85	85	84	81	87
53	83	82	81	83	84	84	84	87	86	85	82	82	
54	81	82	82	84	82	85	85	87	87	85	85	81	87
55	82	79	82	81	81	82	83	83	85	83	83	83	85
56	83	82	81	83	83	83	85	86	85	85	84	84	86
57	83	79	81	83	84	85	87	87	87	87	85	84	87
58	81	82	80	82	83	84	87	86	88	86	87	83	88
59	82	82	82	84	83	85	86	88	88	87	85	83	88
60	82	81	81	81	84	87	86	87	86	88	84	83	88
61	82	82	83	84	85	87	88	88	87	88	84	83	88
62	82	81	83	84	85	85	86	88	86	87	84	82	88
63	80	86	83	84	84	84	86	86	86	87	86	87	87
64	82	86	82	83	85	86	85	87	87	86	85	83	87
65	82	79	81	83	86	85	88	86	89	86	85	81	89
66	81	82	81	82	85	86	86	86	88	87	86	87	88
67	82	82	84	86	87	87	88	88	89	88	84	83	89
68	82	83	84	85	88	90	90	90	91	90	89	84	91
69	82	83	85	85	88	88	89	90	87	87	87	88	90
70	83	82	83	85	86	86	89	91	89	91	87	81	
71	85	85	86	87	88	87	89	91	91	88	88	86	91
72	81	82	83	85	84	89	89	90	91	90	84	84	91
73	85	83	83	86	85	87	90	90	91	90	88	85	
74	84	84	87	85	85	89	90	90	92	90	87	85	92
75	85	82	83	86	88	88	90	89	89	90	87	88	90
76	87	82	83	85	88	86	87	89	90	89	86	85	90
77	85	86	85	86	86	88	89	90	90	91	86	88	91
MEAN	82.7	82.3	82.8	83.4	84.9	86.0	87.2	87.9	88.1	87.4	85.5	83.8	85.7
S. D.	1.588	1.615	1.634	1.725	1.889	1.890	1.902	1.885	2.107	2.041	1.599	2.231	1.634
TOTAL OBS.	868	819	899	870	899	870	837	899	840	868	840	899	10408

MAXIMUM TEMPERATURE
FROM DAILY OBSERVATIONS

22514	BARBERS POINT, HAWAII	69-77
STATION	STATION NAME	

YEARS

WHOLE DEGREES FAHRENHEIT
/BASED ON LESS THAN FULL MONTHS/

[illegible]

EXTREME VALUES

MINIMUM TEMPERATURE (FROM DAILY OBSERVATIONS)

49-77

YEARS

BARBERS POINT, HAWAII

STATION NAME

22514
STATION

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
49	57	58	58	63	63	67	68	69		64	60	58	
50	62	63	62	64	66	67	69	69	67	67		58	
51	58	55	58	63	65	66	69	70	68	68	67	61	55
52	58	61	59	63	63	67	69	70	68	67	65	60	58
53	58	61	62	63	65	69		70	70	67	65	58	
54	60	58	57	64	65	70	70	72	70	64	66	61	57
55	62	61	54	65	67	67	68	69	67	65	64	64	54
56	62	63	63	63	67	69	69	72	69	68	65	61	61
57	63	59	57	64	64	67	71	69	68	68	69	63	57
58	61	59	58	66	66	68	70	71	69	68	62	60	56
59	58	59	63	63	66	68	69	69	72	66	66	64	58
60	58	58	60	65	66	70	70	72	70	67	65	64	58
61	61	63	64	64	68	71	70	70	70	67	65	65	61
62	64	55	63	65	66	68	69	71	68	64	68	57	55
63	59	62	62	66	66	68	70	71	70	66	65	62	59
64	65	63	61	66	65	68	70	70	71	68	65	64	61
65	62	58	57	62	66	69	70	70	69	65	65	64	57
66	59	60	61	60	66	70	70	70	71	66	66	65	59
67	61	64	63	62	68	67	72	72	71	70	69	60	60
68	61	60	63	64	67	64	66	70	66	61	64	56	56
69	50	59	58	60	62	63	70	65	63	63	63	55	50
70	51	55	60	62	63	66		70	67	67	57	61	
71	55	64	65	67	66	67	66	70	70	66	70	60	55
72	57	52	59	64	65	66	70	68	68	68	57	53	52
73	52	55	64	54	66	67	72	61	71		67	60	
74	64	63	60	64	67	68	64	67	69	68	64	62	60
75	58	58	60	60	62	61	69	68	67	65	66	58	58
76	62	59	57	64	67	66	67	69	69	65	60	61	57
77	60	61	63	65	64	68	67	69	67	67	64	63	60
MEAN	59.3	59.5	60.4	62.9	65.4	67.3	69.1	69.4	68.8	66.3	64.6	60.6	57.3
S. D.	3.762	3.112	2.744	2.789	1.637	2.106	1.717	2.228	1.917	1.917	3.155	3.075	2.817
TOTAL OBS.	868	819	899	870	899	870	837	899	840	868	840	899	10408

PSYCHROMETRIC SUMMARY

22514 STATION BARBERS POINT, HAWAII 73-77 YEARS JAN MONTH

PAGE 1
HOURS (L.S.T.)

1955

PSYCHROMETRIC SUMMARY

JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb		
86 / 85								.2										3	3			
84 / 83						.1	.3	.4	.3									21	21			
82 / 81				.2	.7	2.5	2.9	.8	.2									92	92			
80 / 79			.2	.6	2.7	4.4	3.0	.6										144	144			
78 / 77			1.1	1.7	3.5	3.7	1.0	.1	.1									139	139			
76 / 75		1.1	4.0	2.7	2.5	1.5	.5	.2										157	157	11		
74 / 73		.6	2.7	2.7	1.6	1.0	.4	.1										113	113	73		
72 / 71		1.4	3.5	5.9	1.5	.1		.1										154	154	177		
70 / 69	.1	2.7	6.2	3.6	.6	.2												167	167	231		
68 / 67	.2	1.2	5.7	1.9	.2	.1												116	116	258		
66 / 65	.2	2.1	3.7	.6	.2	.1												85	85	208		
64 / 63	.1	1.1	1.3	.2														33	33	165		
62 / 61		.2	.5															9	9	76		
60 / 59		.1	.2															4	4	25		
58 / 57			.1															1	1	12		
56 / 55		.1																1	1	2		
54 / 53																		1	1	1		
52 / 51			.1																	1		
50 / 49																				1		
TOTAL	.5	10.6	29.4	20.2	13.9	14.0	8.1	2.7	.6									1240	1240	1240		

Element (X)	ΣX ²	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					Total
Rel. Hum.	6948116	91590	73.9	12.153	1240	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	744.0
Dry Bulb	6712177	90991	73.4	5.335	1240				401.4	111.0	744.0
Wet Bulb	5638898	83496	67.3	3.666	1240				50.4		744.0
Dew Point	5116644	79492	64.1	4.086	1240				26.4		744.0

PSYCHROMETRIC SUMMARY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

FEB
MONTH

PAGE 1
HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (°F)	WET BULB TEMPERATURE DEPRESSION (°F)																	TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb		
86 / 85								.4										5	5			
84 / 83							.1	.7										17	17			
82 / 81					.2	1.2	1.7	1.0	.2	.1								49	49			
80 / 79					1.2	4.8	2.8	.2		.1								103	103			
78 / 77				.5	2.1	3.2	2.0	.9	.4									102	102			
76 / 75		.1	.6	1.4	3.1	2.5	1.9	.6	.3									118	118			
74 / 73		.3	.8	3.8	2.3	.7	.3	.1										93	93	9		
72 / 71	.2	.8	3.6	5.7	1.3	.7	.4	.1										145	145	83		
70 / 69		.8	5.9	4.4	.9	.3	.4											143	143	156		
68 / 67	.3	1.5	6.2	3.5	1.1	.5	.2											150	150	230		
66 / 65	.1	2.4	4.3	2.7	.5	.3												117	117	238		
64 / 63	.1	1.5	1.9	.5	.2													47	47	172		
62 / 61	.1	1.0	.8	.3	.1													25	25	129		
60 / 59		.8	.3															12	12	68		
58 / 57		.1																1	1	30		
56 / 55		.1																1	1	12		
54 / 53																				1		
52 / 51																				21		
50 / 49																				18		
48 / 47																				14		
TOTAL	.7	9.3	24.5	23.0	13.0	14.3	10.3	4.0	.8	.2								1128	1128	1128		

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total				
						≤ 32 °F	≥ 32 °F	≥ 37 °F	≥ 43 °F	≥ 50 °F	≥ 58 °F	≥ 64 °F	≥ 73 °F	≥ 80 °F	≥ 93 °F	Total
Rel. Hum.	5982740	80898	71.7	12.669	1128											
Dry Bulb	5876310	81172	72.0	5.580	1128											
Wet Bulb	4852271	73867	65.5	3.659	1128											
Dew Point	4333652	69762	61.8	4.124	1128											

Element (X)	Mean No. of Hours with Temperature												Total	
	ΣX ²	ΣX	X̄	σ _x	No. Obs.	≤0 F	≤32 F	≤67 F	≥73 F	≥80 F	≥93 F	Total		
Rel. Hum.	5982740	80898	71.7	12.669	1128								672.0	
Dry Bulb	5676310	81172	72.0	5.580	1128								672.0	
Wet Bulb	4852271	73867	65.5	3.659	1128								672.0	
Dew Point	4333652	69762	61.8	4.124	1128								672.0	

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAR
MONTH

05

PSYCHROMETRIC SUMMARY JAN 68

PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
86/ 85								.1	.2									3	3				
84/ 83								.2	.3									19	19				
82/ 81				.1	.2	1.0	3.2	3.5	.4	.2								107	107				
80/ 79				.2	.9	3.5	4.1	1.9	.5									139	139				
78/ 77			.5	1.0	1.5	2.7	3.6	1.3	.1									133	133				
76/ 75			.5	1.6	2.9	2.8	1.0	.1										111	111	4			
74/ 73		.1	.7	2.6	4.5	1.4	.6											122	122	17			
72/ 71		.6	2.3	6.4	4.8	.7	.1											184	184	59	15		
70/ 69	.1	1.4	5.6	8.3	1.5	.1												210	210	187	30		
68/ 67		1.0	4.5	2.9	.4	.2												112	112	302	68		
66/ 65		.7	3.1	.9	.2													60	60	318	141		
64/ 63		.8	.6	.3														21	21	222	267		
62/ 61		.3	.6	.2														13	13	91	295		
60/ 59		.2	.2															5	5	23	253		
58/ 57			.1															1	1	13	93		
56/ 55																				3	56		
54/ 53																				1	17		
52/ 51																					5		
TOTAL	.1	5.1	18.5	24.5	17.1	12.5	12.8	7.7	1.5	.2								1240	1240	1240	1240		

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total
Rel. Hum.	6027285	85117	68.6	12.206	1240	≤ 67 F	≥ 67 F	≤ 73 F	≥ 73 F	≤ 80 F	≥ 80 F	Total	
Dry Bulb	6720639	91059	73.4	5.219	1240	684.0	380.4	122.4				744.0	
Wet Bulb	5433462	81996	66.1	3.034	1240	341.4	12.6					744.0	
Dew Point	4777629	76851	62.0	3.440	1240	67.8	5.4					744.0	

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	6027285	85117	68.6	12.206	1240	$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total
Dry Bulb	6720639	91059	73.4	5.219	1240			684.0	380.4	122.4		744.0
Wet Bulb	5433462	81996	66.1	3.034	1240			341.4	12.6			744.0
Dew Point	4777629	76851	62.0	3.440	1240			67.8	5.4			744.0

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PSYCHROMETRIC SUMMARY

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

73-77
YEARS

APR
MONTH

PAGE 1
HOURS (LST)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
86/ 85						.1	.3	.8	1.3	1.1								5	5				
84/ 83						.1	.3	.8	1.3	1.1								41	41				
82/ 81					.5	2.1	3.3	2.4	.5									105	105				
80/ 79				.1	.7	4.0	4.3	1.8	.1									131	131				
78/ 77			.3	1.1	2.5	2.9	1.7	.3	.1									105	105				
76/ 75		.3	.8	3.8	3.5	3.0	.3	.1										140	140		2		
74/ 73		.3	1.5	5.9	4.8	1.2												164	164		25		
72/ 71		.6	5.1	8.4	3.3	.4	.1	.3										218	218		103		
70/ 69		1.0	5.5	5.3	1.3	.2	.1	.1										160	160		233		
68/ 67		1.4	3.8	1.3		.1	.1											79	79		342		
66/ 65		1.2	1.3	.3	.2	.2	.1											37	37		306		
64/ 63		.4	.1	.1	.1	.1												8	8		139		
62/ 61		.1		.1														2	2		25		
60/ 59																					7		
58/ 57		.1																1	1		8		
56/ 55	.1	.2																3	3		6		
54/ 53																					3		
52/ 51																							
50/ 49																							
48/ 47																							
46/ 45																							
44/ 43																							
TOTAL	.1	5.6	18.1	26.2	16.9	14.3	10.5	6.2	2.1									1199	1199		1199		

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	5970241	83389	69.5	12.097	1200	≥ 0 F	≥ 32 F	≥ 67 F	≥ 80 F	≥ 93 F	720.0	
Dry Bulb	6625784	88938	74.2	4.890	1199			689.4	414.9	133.9	720.0	
Wet Bulb	5398788	80380	67.0	2.914	1199			423.4	16.2		720.0	
Dew Point	4786668	75640	63.1	3.520	1199			103.3	4.2		720.0	

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PSYCHROMETRIC SUMMARY

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22514 BARBERS POINT, HAWAII
STATION NAME

73-77

YEARS

MAY

MONTH

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb		Wet Bulb
86/ 85								.2	.8									13	13		
84/ 83								1.0	1.9	.5	.1							96	96		
82/ 81						.4	1.9	5.1	4.8	.9								162	162		
80/ 79			.2	.1	.9	.9	4.0	4.8	.9	.1								134	134		
78/ 77		.2	.2	.6	3.3	3.5	1.4	.1										113	113		
76/ 75		.2	.6	2.5	5.6	3.4	.5											158	158	5	2
74/ 73	.2	.2	1.6	5.3	6.4	1.8												191	191	29	8
72/ 71	.2	.7	3.9	8.0	3.1	.1												198	198	107	8
70/ 69	.2	1.5	4.9	2.7	.6													123	123	315	41
68/ 67		.3	1.8	1.1														40	40	386	117
66/ 65		.1	.7															10	10	284	188
64/ 63		.1		.1														2	2	93	362
62/ 61																				20	312
60/ 59																				1	154
58/ 57																					37
56/ 55																					9
54/ 53																					2
TOTAL	.6	3.3	13.8	20.4	20.2	15.5	13.1	9.0	3.6	.5	.1							1240	1240	1240	1240

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PSYCHROMETRIC SUMMARY

STATION 22514 BARBERS POINT, HAWAII STATION NAME 73-77 YEARS MONTH JUN

PAGE 1 HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89										.2								2	2		
88/ 87									.1	.2	.4	.1						9	9		
86/ 85							.7	1.1	1.3	.7								45	45		
84/ 83						.7	3.1	4.2	3.2	.2								136	136		
82/ 81					.2	2.4	7.1	5.4	.2									185	185		
80/ 79					.9	5.2	3.7	.5	.1									126	126		
78/ 77				.5	2.7	4.6	1.1											106	106		
76/ 75			.2	1.4	7.7	5.3												175	175	1	
74/ 73			.6	6.2	8.6	1.2												200	200	32	
72/ 71			1.7	8.2	2.2	.1												147	147	151	2
70/ 69	.2	2.2	1.7															50	50	327	25
68/ 67		1.2	.2															17	17	401	94
66/ 65			.2															2	2	245	190
64/ 63																				41	405
62/ 61																				2	353
60/ 59																					123
58/ 57																					6
56/ 55																					2
TOTAL	.2	6.0	18.3	22.3	31.9	61.5	71.1	3	5.0	1.4	.1							1200	1200	1200	1200

Element (X)	Σ X ²	Σ X	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature							Total
Rel. Hum.	4903603	75691	63.1	10.385	1200	≥ 73 F	≥ 67 F	≥ 52 F	≥ 40 F	≥ 30 F	≥ 23 F	Total	
Dry Bulb	7192513	92731	77.3	4.714	1200	718.8	590.4	273.0				720.0	
Wet Bulb	5578092	81772	68.1	2.213	1200	547.2	19.8					720.0	
Dew Point	4814443	75957	63.3	2.338	1200	72.6						720.0	

NAWSEASERVCOM

PSYCHROMETRIC SUMMARY

22514 BARBERS POINT, HAWAII 73-77 AUG NORTH
STATION NAME YEARS MONTH
PAGE 1
HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
90/ 89								.2	.4	.3	.2							13	13			
88/ 87						.1	.2	.7	1.1	3.1	.7	.2						75	75			
86/ 85					.2	.8	4.2	5.1	2.6	.4								165	165			
84/ 83				.1	.9	2.5	3.9	3.7	.6									144	144			
82/ 81			.2	.9	1.5	3.5	2.3	.3										108	108	1		
80/ 79		.1	.4	2.1	5.2	5.2	.9											171	171	1		
78/ 77		.2	.6	4.1	6.8	2.8	.4											185	185	11	2	
76/ 75		.4	1.1	5.3	5.5	.6												161	161	66	8	
74/ 73		.3	1.5	7.1	1.4													127	127	223	34	
72/ 71		.4	1.9	3.0	.1	.1												68	68	373	72	
70/ 69		.2	1.1	.3														20	20	323	166	
68/ 67			.2															3	3	201	272	
66/ 65																				36	351	
64/ 63																				4	238	
62/ 61																				1	79	
60/ 59																					16	
56/ 55																					2	
TOTAL		1.5	7.222	.921	.515	5.712	.310	.4	6.6	1.5	.3							1240	1240	1240		

Element (X)	Σ X ²	Σ X	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature								Total							
						≤ 0 F	≤ 32 F	≤ 67 F	≥ 73 F	≥ 80 F	≥ 93 F										
Rel. Hum.	5479246	81188	65.5	11.488	1240																744.0
Dry Bulb	7871480	98612	79.5	4.861	1240																744.0
Wet Bulb	6213670	87724	70.7	2.480	1240																744.0
Dew Point	5484615	82383	66.4	2.979	1240																744.0

PSYCHROMETRIC SUMMARY

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JAN 68

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22514

BARBERS POINT, HAWAII

73-77

SEP

MONTH

YEARS

PAGE 1

HOURS (L.S.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb		
92/ 91										.1	.2	.1						4	4			
90/ 89										.6	.1							20	20			
88/ 87						.2	1.2	2.7	3.5	.6								99	99			
86/ 85					.3	1.7	4.9	4.7	2.7									171	171			
84/ 83			.1	1.1	1.1	4.5	2.8	2.0	.4									131	131			
82/ 81			.5	2.3	2.3	3.6	1.8	.2										102	102			
80/ 79			.2	2.5	4.7	5.0	.5											154	154			
78/ 77		.2	1.2	2.2	9.4	1.7												177	177	14		
76/ 75		.2	1.8	3.9	5.2	.7												143	143	96		
74/ 73		.3	2.2	6.2	1.2													119	119	259		
72/ 71		.3	1.7	2.3	.2													55	55	309		
70/ 69		.1	1.3	.4														22	22	328		
68/ 67			.2															3	3	154		
66/ 65																				38		
64/ 63																				2		
62/ 61																				211		
60/ 59																				70		
58/ 57																				3		
TOTAL	1.1	8.7	18.2	24.4	17.4	11.5	9.9	7.1	1.2	.2	.1							1200	1200	1200		

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total
Rel. Hum.	5260923	78349	65.3	11.014	1200	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total	
Dry Bulb	7695098	95904	79.9	5.039	1200					357.0		720.0	
Wet Bulb	6068684	85282	71.1	2.556	1200							720.0	
Dew Point	5356780	80102	66.8	2.864	1200							720.0	

Mean No. of Hours with Temperature

No. Obs.

σ_x

\bar{x}

$\sum x$

$\sum x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

$\geq 93 F$

$\geq 80 F$

$\geq 73 F$

$\geq 67 F$

$\geq 32 F$

$\leq 0 F$

Total

720.0

720.0

720.0

720.0

720.0

720.0

720.0

720.0

720.0

720.0

720.0

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PSYCHROMETRIC SUMMARY

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PSYCHROMETRIC SUMMARY

JAN 68

DEC 1

MONTH

PAGE 1

HOURS (L.S.T.)

YEARS

73-77

BARBERS POINT, HAWAII

STATION NAME

22514

STATION

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
90/ 89					.1				.3	.4								10	10		
88/ 87					.1			.6	1.5	2.2	.2							58	58		
86/ 85						1.0	3.0	2.7	1.3	.3								103	103		
84/ 83			.1		.6	2.2	4.0	3.5	.9	.1								140	140		
82/ 81			.1	.2	1.6	2.3	3.7	1.3	.2									116	116	2	
80/ 79			.1	1.0	3.9	4.5	.9	.6	.2									139	139	1	1
78/ 77		.1	.6	2.7	6.3	3.0	.2	.7	.2									171	171	6	1
76/ 75		.4	2.2	6.4	5.9	1.6		.2	.2									208	208	45	6
74/ 73	.2	.3	2.8	7.9	2.4	.5		.1										176	176	176	18
72/ 71	.1	.6	2.4	3.0	.6													84	84	289	50
70/ 69		.4	1.1	.2	.2													25	25	369	158
68/ 67		.1	.5	.1	.1													9	9	241	259
66/ 65		.1																1	1	79	301
64/ 63																				25	260
62/ 61																				4	116
60/ 59																				3	37
58/ 57																					18
56/ 55																					6
54/ 53																					3
52/ 51																					3
50/ 49																					1
48/ 47																					2
TOTAL	.2	2.0	9.92	1.52	1.81	5.01	2.41	10.7	5.3	1.0								1240	1240	1240	1240

Mean No. of Hours with Temperature

No. Obs.

\bar{x}

σ_x

$\sum x$

$\sum x^2$

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

≥ 80 F

≥ 93 F

Total

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

22514

BARBERS POINT, HAWAII

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NOV

YEARS

PAGE 1

HOURS (LST)

5 PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL	
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
86 / 85								.2	.5	.8	.4							23	23			
84 / 83							.2	1.1	2.0	.9	.1							74	74			
82 / 81							.1	1.7	3.0	4.2	.2	.2						132	132			
80 / 79							.2	1.0	1.8	2.8	2.0	.7	.2					107	107			
78 / 77							.1	.9	3.2	4.4	1.6	.7	.2	.1				133	133	1	1	
76 / 75							.2	1.7	5.7	3.3	1.9							155	155	11	11	
74 / 73							.6	4.2	8.7	3.0	1.3	.1						218	218	90	90	
72 / 71							1.3	5.0	4.6	1.8	.2							156	156	196	44	
70 / 69							.1	1.1	5.8	1.4	1.0							113	113	324	122	
68 / 67							.1	1.2	2.0	.7	.6							55	55	269	228	
66 / 65							.1	1.2	.5	.2								23	23	194	254	
64 / 63							.1	.5	.1	.1								9	9	86	253	
62 / 61							.2											2	2	25	146	
60 / 59																				4	87	
58 / 57																					43	
56 / 55																					9	
54 / 53																					2	
52 / 51																					2	
TOTAL	.3	6.6	20.5	25.7	18.0	12.0	9.1	4.9	2.2	.7								1200	1200	1200	1200	

Element (X)	Rel. Hum.	Dry Bulb	Wet Bulb	Dew Point	Mean No. of Hours with Temperature							Total
					≥ 80 F	≥ 73 F	≥ 67 F	≥ 32 F	≥ 0 F	≥ 93 F		
					172.8	505.2	699.6	534.6	242.4		720.0	
					61.2	61.2	534.6	534.6	242.4		720.0	
					13.2	13.2	242.4	242.4	13.2		720.0	

Mean No. of Hours with Temperature

No. Obs.

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

≥ 80 F

≥ 73 F

≥ 67 F

≥ 62 F

≥ 50 F

≥ 43 F

≥ 37 F

≥ 32 F

≥ 26 F

≥ 20 F

≥ 14 F

≥ 8 F

≥ 2 F

≥ -4 F

≥ -10 F

≥ -16 F

≥ -22 F

≥ -28 F

≥ -34 F

≥ -40 F

≥ -46 F

≥ -52 F

≥ -58 F

≥ -64 F

≥ -70 F

≥ -76 F

≥ -82 F

≥ -88 F

≥ -94 F

≥ -100 F

≥ -106 F

≥ -112 F

≥ -118 F

≥ -124 F

≥ -130 F

≥ -136 F

≥ -142 F

≥ -148 F

≥ -154 F

≥ -160 F

≥ -166 F

≥ -172 F

≥ -178 F

≥ -184 F

≥ -190 F

≥ -196 F

≥ -202 F

≥ -208 F

≥ -214 F

≥ -220 F

≥ -226 F

≥ -232 F

≥ -238 F

≥ -244 F

≥ -250 F

≥ -256 F

≥ -262 F

≥ -268 F

≥ -274 F

≥ -280 F

≥ -286 F

≥ -292 F

≥ -298 F

≥ -304 F

≥ -310 F

≥ -316 F

≥ -322 F

≥ -328 F

≥ -334 F

≥ -340 F

≥ -346 F

≥ -352 F

≥ -358 F

≥ -364 F

≥ -370 F

≥ -376 F

≥ -382 F

≥ -388 F

≥ -394 F

≥ -400 F

≥ -406 F

≥ -412 F

≥ -418 F

≥ -424 F

≥ -430 F

≥ -436 F

≥ -442 F

≥ -448 F

≥ -454 F

≥ -460 F

≥ -466 F

≥ -472 F

≥ -478 F

≥ -484 F

≥ -490 F

≥ -496 F

≥ -502 F

≥ -508 F

≥ -514 F

≥ -520 F

≥ -526 F

≥ -532 F

≥ -538 F

≥ -544 F

≥ -550 F

≥ -556 F

≥ -562 F

≥ -568 F

≥ -574 F

≥ -580 F

≥ -586 F

≥ -592 F

≥ -598 F

≥ -604 F

≥ -610 F

≥ -616 F

≥ -622 F

≥ -628 F

≥ -634 F

≥ -640 F

≥ -646 F

≥ -652 F

≥ -658 F

≥ -664 F

≥ -670 F

≥ -676 F

≥ -682 F

≥ -688 F

≥ -694 F

≥ -700 F

≥ -706 F

≥ -712 F

≥ -718 F

≥ -724 F

≥ -730 F

≥ -736 F

≥ -742 F

≥ -748 F

≥ -754 F

≥ -760 F

≥ -766 F

≥ -772 F

≥ -778 F

≥ -784 F

≥ -790 F

≥ -796 F

≥ -802 F

≥ -808 F

≥ -814 F

≥ -820 F

≥ -826 F

≥ -832 F

≥ -838 F

≥ -844 F

≥ -850 F

≥ -856 F

≥ -862 F

≥ -868 F

≥ -874 F

≥ -880 F

≥ -886 F

≥ -892 F

≥ -898 F

≥ -904 F

≥ -910 F

≥ -916 F

≥ -922 F

≥ -928 F

≥ -934 F

≥ -940 F

≥ -946 F

≥ -952 F

≥ -958 F

≥ -964 F

≥ -970 F

≥ -976 F

≥ -982 F

≥ -988 F

≥ -994 F

≥ -1000 F

≥ -1006 F

≥ -1012 F

≥ -1018 F

≥ -1024 F

≥ -1030 F

≥ -1036 F

≥ -1042 F

≥ -1048 F

≥ -1054 F

≥ -1060 F

≥ -1066 F

≥ -1072 F

≥ -1078 F

≥ -1084 F

≥ -1090 F

≥ -1096 F

≥ -1102 F

≥ -1108 F

≥ -1114 F

≥ -1120 F

≥ -1126 F

≥ -1132 F

≥ -1138 F

≥ -1144 F

PSYCHROMETRIC SUMMARY

22514 STATION BARBERS POINT, HAWAII 73-77 YEARS DEC MONTH PAGE 1 HOURS (L S T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL		TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
88/ 87							.1	.2	.1	.1								5	5		
86/ 85							.3	.5	.5									17	17		
84/ 83					.1	.5	.9	1.6	.8	.2	.1							51	51		
82/ 81				.2	.5	1.4	3.3	2.2	.7	.3								108	108		
80/ 79			.1	1.0	1.4	2.7	3.2	1.2	1.0									132	132		
78/ 77			.6	1.4	2.7	3.0	2.3	.3	.3									132	132		
76/ 75		.2	1.2	2.2	2.1	2.5	.3	.2										108	108	10	
74/ 73	.2	.6	2.1	3.7	4.4	1.0	.3											151	151	60	9
72/ 71		1.4	3.6	5.3	2.4	1.4	.2											177	177	112	32
70/ 69	.3	1.6	4.4	3.8	1.3	.6												148	148	227	79
68/ 67	.4	1.1	4.5	1.3	.6	.1												100	100	285	114
66/ 65		.9	2.6	.8	.2													55	55	246	192
64/ 63	.1	1.7	.9	.6	.1													42	42	164	228
62/ 61	.1	.6		.2														12	12	90	285
60/ 59		.1																1	1	37	137
58/ 57																				8	73
56/ 55																					36
54/ 53																					43
52/ 51																					11
TOTAL	1.0	8.2	19.9	20.6	15.7	13.1	11.1	6.2	3.6	.6	.1							1239	1239	1239	1239
																		1239		1239	

PSYCHROMETRIC SUMMARY

22514

BARBERS POINT, HAWAII

73-77

YEARS

ALL MONTH

PAGE 1

HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY JAN 68

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		Dew Point
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb		
92/ 91																			4	4		
90/ 89																			48	48		
88/ 87																			280	280		
86/ 85																			672	672		
84/ 83																			1049	1049		
82/ 81																			1380	1380		
80/ 79																			1592	1592		
78/ 77																			1685	1685		
76/ 75																			1839	1839		
74/ 73																			1819	1819		
72/ 71																			1683	1683		
70/ 69																			1214	1214		
68/ 67																			693	693		
66/ 65																			391	391		
64/ 63																			162	162		
62/ 61																			63	63		
60/ 59																			22	22		
58/ 57																			4	4		
56/ 55																			5	5		
54/ 53																			1	1		
52/ 51																				1		
50/ 49																				22		
48/ 47																				13		
46/ 45																				2		
44/ 43																				2		
TOTAL	.3	4.7	15.1	21.4	18.8	15.3	11.7	7.8	4.0	.8	.1	.0							14606	14606		

Element (X)	ΣX ²	ΣX	X̄	σ _x	No. Obs.	Mean No. of Hours with Temperature							Total								
						≤ 67 F	≥ 67 F	≤ 73 F	≥ 73 F	≤ 80 F	≥ 80 F										
Rel. Hum.	69490867	990827	67.6	12.496	14607																8760.0
Dry Bulb	84834005	1110073	76.0	5.655	14606																8760.0
Wet Bulb	68084897	996015	68.2	3.353	14606																8760.0
Dew Point	60142923	935655	64.1	3.748	14606																8760.0

NAVWEASERVCOM

Mean No. of Hours with Temperature

Element (X)	ΣX ²	ΣX	X	σ _x	No. Obs.	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Rel. Hum.	69490867	990827	67.8	12.496	14607							8760.0
Dry Bulb	84834005	1110073	76.0	5.655	14606							8760.0
Wet Bulb	68084897	996015	68.2	3.353	14606							8760.0
Dew Point	60142923	935655	64.1	3.748	14606							8760.0

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

22514 BARBERS POINT, HAWAII

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN S. D. TOTAL OBS	69.3 3.883 155	67.6 3.616 141	69.0 3.259 155	69.8 2.728 150	71.0 1.980 155	72.4 1.768 150	73.6 2.259 155	74.7 2.258 155	74.0 2.345 155	71.1 2.955 150	69.7 3.666 155	71.4 3.637 1826
05	MEAN S. D. TOTAL OBS	68.7 4.101 155	66.7 3.493 141	68.2 3.488 155	69.0 3.156 150	70.2 2.184 155	71.3 2.045 150	72.7 2.322 155	73.7 2.438 150	73.0 2.492 155	70.3 3.073 150	69.1 3.864 154	70.6 3.730 1825
08	MEAN S. D. TOTAL OBS	69.7 3.643 155	68.6 3.304 141	71.4 2.906 155	73.8 2.461 150	76.2 2.290 155	78.0 2.109 150	78.7 1.967 155	80.1 1.734 150	78.2 2.440 155	73.7 2.701 150	70.8 3.787 155	74.9 4.718 1826
11	MEAN S. D. TOTAL OBS	78.5 2.600 155	77.6 3.251 141	78.8 2.624 155	79.1 2.310 150	80.8 2.457 155	82.1 2.225 150	83.3 2.034 155	84.5 1.998 155	83.8 2.895 155	80.9 2.823 150	80.0 2.974 155	81.3 3.577 1826
14	MEAN S. D. TOTAL OBS	79.6 2.709 155	78.5 3.279 141	80.0 2.512 155	80.0 3.038 150	81.5 2.231 155	83.0 2.347 150	84.6 2.278 155	85.8 2.229 155	84.5 2.818 155	81.1 2.772 150	80.7 3.093 155	82.1 3.616 1826
17	MEAN S. D. TOTAL OBS	77.7 2.628 155	76.6 3.103 141	77.6 2.743 155	78.1 2.651 149	79.7 2.299 155	81.5 1.989 150	82.9 2.028 155	84.1 1.826 150	81.9 2.371 155	78.6 2.373 150	78.2 2.547 155	80.1 3.464 1825
20	MEAN S. D. TOTAL OBS	72.7 2.841 155	71.2 2.918 141	72.1 2.701 155	72.5 2.078 150	74.2 1.683 155	76.0 1.726 150	77.0 1.327 155	78.7 1.666 150	77.1 2.257 155	74.2 2.323 150	72.8 2.807 155	74.7 3.316 1826
23	MEAN S. D. TOTAL OBS	70.8 3.454 155	69.0 3.239 141	70.4 2.896 155	71.0 2.463 150	72.4 1.759 155	73.9 1.668 150	75.0 1.881 155	76.2 2.062 150	75.3 2.202 155	72.4 2.806 150	70.9 3.329 155	72.8 3.479 1826
ALL HOURS	MEAN S. D. TOTAL OBS	73.4 5.234 1240	72.0 5.580 1128	73.4 5.219 1240	74.2 4.890 1199	75.8 4.719 1240	77.3 4.714 1200	78.5 4.813 1240	79.5 4.861 1240	79.9 5.040 1200	78.5 4.851 1240	74.0 5.575 1239	76.0 5.656 14606

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

22514 BARBERS POINT, HAWAII

73-77

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN S. D. TOTAL OBS	63.1 4.171 155	61.1 4.025 141	61.4 3.221 155	62.7 3.128 150	63.1 1.846 150	64.1 2.482 155	66.2 2.504 155	66.1 2.502 150	65.1 3.220 155	64.3 3.049 150	62.3 3.974 155	63.6 3.494 1826
05	MEAN S. D. TOTAL OBS	62.9 4.172 155	60.7 4.110 141	61.2 3.316 155	62.5 3.243 150	62.8 2.581 155	64.1 2.416 155	66.0 2.768 155	65.8 2.321 150	64.7 3.387 155	63.9 3.146 150	62.0 4.105 154	63.3 3.571 1825
08	MEAN S. D. TOTAL OBS	64.1 3.924 155	62.2 3.760 141	63.2 3.322 155	64.0 3.606 150	64.2 2.793 155	65.7 2.765 155	67.5 2.922 155	67.9 2.492 150	66.4 3.233 155	65.5 3.102 150	63.4 3.879 155	64.9 3.606 1826
11	MEAN S. D. TOTAL OBS	65.0 3.920 155	62.9 4.096 141	62.5 3.658 155	63.5 3.903 150	63.4 3.239 155	64.5 3.222 155	67.0 3.104 155	67.4 3.085 150	66.4 3.326 155	65.5 3.842 150	63.6 4.470 155	64.6 3.893 1826
14	MEAN S. D. TOTAL OBS	64.9 3.983 155	62.7 4.166 141	61.9 3.788 155	63.3 3.928 150	63.4 3.524 155	63.9 3.406 155	66.2 3.692 155	67.3 3.393 150	66.3 3.904 155	65.1 4.140 150	63.3 4.730 155	64.3 4.127 1826
17	MEAN S. D. TOTAL OBS	64.7 4.032 155	62.2 4.272 141	62.1 3.605 155	62.8 3.696 149	63.0 3.536 150	64.0 3.223 155	65.9 3.099 155	66.5 3.239 150	65.7 3.597 155	64.8 3.827 150	63.2 4.356 155	64.0 3.873 1825
20	MEAN S. D. TOTAL OBS	64.3 3.912 155	61.7 4.271 141	61.8 3.060 155	62.9 3.259 150	63.3 3.021 155	64.1 2.661 155	66.1 2.686 155	66.5 2.664 150	65.6 3.502 155	64.9 3.352 150	63.1 3.913 155	63.9 3.584 1826
23	MEAN S. D. TOTAL OBS	63.9 4.120 155	61.4 3.861 141	61.8 3.153 155	62.9 3.139 150	63.3 2.637 155	64.3 2.699 155	66.5 2.605 155	66.5 2.429 150	65.2 3.301 155	64.7 3.524 150	62.7 4.019 155	63.9 3.543 1826
ALL HOURS	MEAN S. D. TOTAL OBS	64.1 4.087 1240	61.8 4.124 1128	62.0 3.440 1240	63.1 3.521 1199	63.3 2.996 1240	64.3 2.921 1240	66.4 2.979 1240	66.8 2.865 1200	65.7 3.484 1240	64.8 3.548 1200	62.9 4.211 1239	64.1 3.748 14606

MEANS AND STANDARD DEVIATIONS

5707 MEANS AND STANDARD DEVIATIONS JAN 68

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

73-77

BARBERS POINT, HAWAII

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	MEAN 3.701 S. D. 155 TOTAL OBS	65.4 63.5 3.500 141	64.2 2.807 155	65.3 2.519 150	66.0 1.872 155	66.3 1.398 150	67.4 1.805 155	69.1 1.986 155	69.0 1.991 150	68.2 2.142 155	66.6 2.488 150	65.0 3.209 155	66.4 3.063 1826
05	MEAN 3.777 S. D. 155 TOTAL OBS	65.0 63.0 3.413 141	63.9 2.932 155	65.0 2.711 150	65.4 1.994 155	65.9 1.597 150	67.1 1.763 155	68.6 2.311 155	68.5 1.934 150	67.6 2.339 155	66.2 2.664 150	64.6 3.402 154	65.9 3.147 1825
08	MEAN 3.365 S. D. 155 TOTAL OBS	66.1 64.5 2.997 141	66.2 2.590 155	67.5 2.572 150	68.4 1.820 155	69.0 1.537 150	70.0 1.632 155	71.4 1.940 155	71.9 1.663 150	70.4 2.177 155	68.3 2.255 150	66.0 3.191 155	68.3 3.251 1826
11	MEAN 2.628 S. D. 155 TOTAL OBS	69.6 68.0 2.906 141	68.3 2.343 155	69.0 2.373 150	69.4 1.760 155	69.9 1.617 150	70.8 1.774 155	72.6 1.837 155	73.2 1.841 150	72.1 2.071 155	70.7 2.237 150	69.3 2.673 155	70.3 2.717 1826
14	MEAN 2.523 S. D. 155 TOTAL OBS	69.9 68.2 2.737 141	68.3 2.348 155	69.1 2.482 150	69.6 2.035 155	70.2 1.700 150	70.9 1.789 155	72.6 2.111 155	73.3 1.857 150	72.3 2.308 155	70.6 2.316 150	69.4 2.775 155	70.4 2.755 1826
17	MEAN 2.682 S. D. 155 TOTAL OBS	69.1 67.3 2.896 141	67.6 2.382 155	68.2 2.404 149	68.8 1.828 155	69.4 1.581 150	70.4 1.735 155	71.8 1.839 155	72.3 1.898 150	71.1 2.219 155	69.5 2.446 150	68.5 2.619 155	69.5 2.704 1825
20	MEAN 3.040 S. D. 155 TOTAL OBS	67.3 65.2 3.217 141	65.6 2.310 155	66.3 2.368 150	67.2 2.018 155	67.5 1.527 150	68.6 1.595 155	70.1 1.990 155	70.6 1.902 150	69.6 2.302 155	68.2 2.433 150	66.6 2.874 155	67.7 2.865 1826
23	MEAN 3.483 S. D. 155 TOTAL OBS	66.3 64.2 3.195 141	64.9 2.614 155	65.9 2.407 150	66.6 1.797 155	66.9 1.531 150	68.0 1.761 155	69.8 2.056 155	69.7 1.877 150	68.7 2.101 155	67.4 2.767 150	65.8 3.054 155	67.0 2.979 1826
ALL HOURS	MEAN 3.666 S. D. 1240 TOTAL OBS	67.3 65.5 3.660 1128	66.1 3.035 1240	67.0 2.915 1199	67.7 2.410 1240	68.1 2.214 1200	69.2 2.253 1240	70.7 2.480 1240	71.1 2.556 1200	70.0 2.753 1240	68.5 2.926 1200	66.9 3.480 1239	68.2 3.356 14606

JAN
MONTH

73-77

BARBERS POINT, HAWAII

22514

PERIOD

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	02	100.0	100.0	100.0	100.0	100.0	98.7	89.7	60.0	3.9	81.1	155
	05	100.0	100.0	100.0	100.0	100.0	98.7	92.3	66.5	8.4	82.0	155
	08	100.0	100.0	100.0	100.0	100.0	98.1	89.7	68.4	14.8	82.6	155
	11	100.0	100.0	100.0	100.0	93.5	60.0	23.2	7.1	.6	64.0	155
	14	100.0	100.0	100.0	99.4	89.0	52.3	18.7	5.8	1.3	61.8	155
	17	100.0	100.0	100.0	100.0	95.5	58.7	27.7	9.0	.6	65.0	155
	20	100.0	100.0	100.0	100.0	100.0	94.2	78.1	28.4	1.9	75.2	155
	23	100.0	100.0	100.0	100.0	100.0	98.7	87.7	51.0	1.9	79.1	155
TOTALS		100.0	100.0	100.0	99.9	97.3	82.4	63.4	37.0	4.2	73.9	1240

RELATIVE HUMIDITY

22514
STATION

BARBERS POINT, HAWAII STATION NAME

73-77

FEB
 MONTH

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
FEB	02	100.0	100.0	100.0	100.0	100.0	97.2	90.1	53.9	7.8	80.1	141
	05	100.0	100.0	100.0	100.0	100.0	97.2	89.4	63.1	7.1	81.2	141
	08	100.0	100.0	100.0	100.0	99.3	97.2	86.5	56.7	12.1	80.7	141
	11	100.0	100.0	100.0	99.3	90.1	46.8	13.5	4.3	.7	61.2	141
	14	100.0	100.0	100.0	97.9	83.7	35.5	11.3	5.0	1.4	59.2	141
	17	100.0	100.0	100.0	98.6	90.8	50.4	14.2	5.0	.7	61.8	141
	20	100.0	100.0	100.0	100.0	97.9	93.6	65.2	14.2	.7	72.5	141
	23	100.0	100.0	100.0	100.0	99.3	97.9	83.7	39.0	2.8	77.1	141
TOTALS		100.0	100.0	100.0	99.5	95.1	77.0	56.7	30.2	4.2	71.7	1128

MAR
MONTH

73-77

BARBERS POINT, HAWAII

STATION
22514

PERIOD

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAR	02	100.0	100.0	100.0	100.0	100.0	98.1	82.6	38.1	2.6	77.2	155
	05	100.0	100.0	100.0	100.0	100.0	100.0	87.1	45.2	4.5	78.8	155
	08	100.0	100.0	100.0	100.0	100.0	96.8	71.6	32.9	4.5	75.9	155
	11	100.0	100.0	100.0	100.0	80.6	31.0	9.7	3.9		56.0	155
	14	100.0	100.0	100.0	98.1	68.4	18.7	3.2	1.3		54.7	155
	17	100.0	100.0	100.0	100.0	89.7	36.1	13.5	1.9		59.4	155
	20	100.0	100.0	100.0	100.0	99.4	92.3	52.3	10.3	.6	70.5	155
	23	100.0	100.0	100.0	100.0	100.0	97.4	71.6	23.2	1.9	74.6	155
TOTALS		100.0	100.0	100.0	99.8	92.3	71.3	49.0	19.6	1.8	68.6	1240

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

STATION
22514

STATION NAME
BARBERS POINT, HAWAII

73-77

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

APR
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	02	100.0	100.0	100.0	100.0	100.0	100.0	87.3	44.7	5.3	78.7	150
	05	100.0	100.0	100.0	100.0	99.3	99.3	92.0	52.7	12.0	80.4	150
	08	100.0	100.0	100.0	100.0	99.3	91.3	58.0	16.7	1.3	71.9	150
	11	100.0	100.0	100.0	100.0	79.3	40.7	12.0	4.0	1.3	59.6	150
	14	100.0	100.0	100.0	100.0	74.0	33.3	7.3	4.0		57.4	150
	17	100.0	100.0	100.0	98.7	89.3	38.7	12.0	4.0		59.8	150
	20	100.0	100.0	100.0	100.0	99.3	97.3	68.0	10.7	.7	72.1	150
	23	100.0	100.0	100.0	100.0	100.0	99.3	80.7	28.7	2.7	76.0	150
TOTALS		100.0	100.0	100.0	99.8	92.6	75.0	52.2	20.7	2.9	69.5	1200

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

22514

BARBERS POINT, HAWAII

73-77

JUN

STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%	
JUN	02	100.0	100.0	100.0	100.0	100.0	99.3	70.0	11.3		72.8 150
	05	100.0	100.0	100.0	100.0	100.0	98.7	78.7	26.7		75.1 150
	08	100.0	100.0	100.0	100.0	99.3	60.0	13.3	.7		62.9 150
	11	100.0	100.0	100.0	100.0	70.0	15.7	.7			54.1 150
	14	100.0	100.0	100.0	98.0	62.0	12.0	1.3	.7		52.4 150
	17	100.0	100.0	100.0	100.0	72.0	12.0	2.7	.7		53.9 150
	20	100.0	100.0	100.0	100.0	100.0	76.0	12.7			64.1 150
	23	100.0	100.0	100.0	100.0	100.0	96.7	46.7	1.3		69.3 150
TOTALS		100.0	100.0	100.0	99.8	87.9	58.9	28.3	5.2		63.1 1200

2

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD REGISTRATION COMPANY, U. S. A.

22514
TATION

STATION NAME
BARBERS POINT, HAWAII

73-77

PERIOD

JUL
MONTH

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	02	100.0	100.0	100.0	100.0	100.0	97.4	60.0	17.4	2.6	72.7	155
	05	100.0	100.0	100.0	100.0	100.0	96.1	72.9	22.6	5.8	74.9	155
	08	100.0	100.0	100.0	100.0	99.4	60.0	23.2	7.7	.6	64.8	155
	11	100.0	100.0	100.0	97.4	61.3	19.4	3.2	.6		53.7	155
	14	100.0	100.0	100.0	88.4	45.8	11.6	2.6			50.6	155
	17	100.0	100.0	100.0	99.4	59.4	21.3	1.9	1.3	1.3	53.6	155
	20	100.0	100.0	100.0	100.0	100.0	60.6	21.9	3.2	1.3	64.8	155
	23	100.0	100.0	100.0	100.0	100.0	87.7	36.1	14.8	2.6	69.8	155
TOTALS		100.0	100.0	100.0	98.2	83.2	56.8	26.0	8.5	1.8	63.1	1240

NAVWEASERVCOM

RELATIVE HUMIDITY

AUG
MONTH

AUG
MONTH

73-77

PERIOD

BARBERS POINT, HAWAII

STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE
STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE	STATION NAME	STATION NO.	STATION TYPE	STATION CLASS	STATION CODE

22514

STATION

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
AUG	02	100.0	100.0	100.0	100.0	100.0	98.7	80.6	16.8	1.9	75.4	155
	05	100.0	100.0	100.0	100.0	100.0	98.1	87.1	30.3	2.6	77.3	155
	08	100.0	100.0	100.0	100.0	100.0	76.8	32.9	7.1	1.3	67.4	155
	11	100.0	100.0	100.0	99.4	78.1	30.3	3.9	.6		56.3	155
	14	100.0	100.0	100.0	96.1	48.4	19.4	5.8			52.8	155
	17	100.0	100.0	100.0	99.4	79.4	21.3	3.9	.6		55.5	155
	20	100.0	100.0	100.0	100.0	100.0	81.9	29.0	1.9		66.8	155
	23	100.0	100.0	100.0	100.0	100.0	97.4	64.5	9.0	.6	72.3	155
TOTALS		100.0	100.0	100.0	99.4	88.2	65.5	38.5	8.3	.8	65.5	1240

RELATIVE HUMIDITY

22514

BARGERS POINT, HAWAII

73-77

PERIOD

539

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN								MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.	
		10%	20%	30%	40%	50%	60%	70%	80%			90%
SEP	02	100.0	100.0	100.0	100.0	100.0	100.0	77.3	24.0	1.3	75.0	150
	05	100.0	100.0	100.0	100.0	100.0	100.0	87.3	29.3	2.0	76.8	150
	08	100.0	100.0	100.0	100.0	100.0	83.3	23.3	2.7	.7	66.8	150
	11	100.0	100.0	100.0	99.3	69.3	23.3	1.3			54.9	150
	14	100.0	100.0	100.0	97.3	64.7	24.0	2.7	1.3	.7	54.2	150
	17	100.0	100.0	100.0	100.0	70.7	34.7	6.0			56.1	150
	20	100.0	100.0	100.0	100.0	100.0	84.0	24.0	2.7		66.6	150
	23	100.0	100.0	100.0	100.0	100.0	98.7	55.3	11.3		71.9	150
TOTALS		100.0	100.0	100.0	99.6	88.1	68.5	34.7	8.9	.6	65.3	1200

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

PRINTED BY THE STANDARD RECORDING COMPANY, U. S. A.

STATION 22514 BARBERS POINT, HAWAII PERIOD 73-77 MONTH OCT

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
OCT	02	100.0	100.0	100.0	99.4	97.4	94.8	76.8	21.3	1.9	74.2	155
	05	100.0	100.0	100.0	99.4	97.4	97.4	79.4	31.6	1.9	75.7	155
	08	100.0	100.0	100.0	100.0	98.1	78.7	36.1	9.0	.6	67.7	155
	11	100.0	100.0	100.0	100.0	71.6	28.4	8.4	2.6		56.5	155
	14	100.0	100.0	100.0	97.4	68.4	22.6	5.2	3.2	.6	55.2	155
	17	100.0	100.0	100.0	100.0	87.7	36.1	9.7	3.2	.6	58.8	155
	20	100.0	100.0	100.0	99.4	96.1	82.6	38.7	8.4	1.9	68.3	155
	23	100.0	100.0	100.0	99.4	96.8	92.3	61.9	11.0	1.3	71.6	155
TOTALS		100.0	100.0	100.0	99.4	89.2	66.6	39.5	11.3	1.1	66.0	1240

PRINTED BY THE STANDARD REGISTER COMPANY, U. S. A.

MONTH
NOV

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	02	100.0	100.0	100.0	100.0	100.0	98.7	88.0	47.3	6.7	79.6	150
	05	100.0	100.0	100.0	100.0	100.0	100.0	90.0	52.0	9.3	80.4	150
	08	100.0	100.0	100.0	100.0	99.3	94.7	71.3	32.7	6.0	76.3	150
	11	100.0	100.0	100.0	98.0	86.7	44.7	18.0	4.7	.7	60.5	150
	14	100.0	100.0	100.0	97.3	78.0	44.0	16.0	6.0		59.3	150
	17	100.0	100.0	100.0	99.3	92.0	56.7	20.0	6.7		63.4	150
	20	100.0	100.0	100.0	100.0	100.0	92.7	65.3	17.3	.7	73.2	150
	23	100.0	100.0	100.0	100.0	100.0	99.3	76.0	37.3	1.3	77.1	150
TOTALS		100.0	100.0	100.0	99.3	94.5	78.9	55.6	25.5	3.1	71.2	1200

DEC
MONTH

73-77

BARBERS POINT, HAWAII

22514

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
DEC	02	100.0	100.0	100.0	100.0	99.4	94.8	76.8	46.5	7.1	78.0	155
	05	100.0	100.0	100.0	100.0	100.0	96.1	79.9	48.1	9.1	78.8	154
	08	100.0	100.0	100.0	100.0	100.0	92.9	79.4	47.1	10.3	78.0	155
	11	100.0	100.0	100.0	96.8	77.4	35.5	12.9	4.5	1.3	58.3	155
	14	100.0	100.0	100.0	95.5	69.7	30.3	12.3	5.2	1.3	56.7	155
	17	100.0	100.0	100.0	98.1	87.7	43.2	18.1	4.5	.6	60.9	155
	20	100.0	100.0	100.0	100.0	98.1	90.3	61.3	20.0	3.9	72.3	155
	23	100.0	100.0	100.0	100.0	98.7	93.5	74.2	34.2	7.1	76.0	155
TOTALS		100.0	100.0	100.0	98.8	91.4	72.1	51.9	26.3	5.1	69.9	1239

RELATIVE HUMIDITY

5706 RELATIVE HUMIDITY JAN 68

ALL MONTH

PERIOD

73-77

22514 BARBERS POINT, HAWAII STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	100.0	100.0	99.9	97.3	82.4	63.4	37.0	4.2	73.9	1240
FEB		100.0	100.0	100.0	99.5	95.1	77.0	56.7	30.2	4.2	71.7	1128
MAR		100.0	100.0	100.0	99.8	92.3	71.3	49.0	19.6	1.8	68.6	1240
APR		100.0	100.0	100.0	99.8	92.6	75.0	52.2	20.7	2.9	69.5	1200
MAY		100.0	100.0	100.0	99.4	89.8	67.0	40.4	14.7	2.1	66.6	1240
JUN		100.0	100.0	100.0	99.8	87.9	58.9	28.3	5.2		63.1	1200
JUL		100.0	100.0	100.0	98.2	83.2	56.8	28.0	8.5	1.8	63.1	1240
AUG		100.0	100.0	100.0	99.4	88.2	65.5	36.5	8.3	.8	65.5	1240
SEP		100.0	100.0	100.0	99.6	88.1	68.5	34.7	8.9	.6	65.3	1200
OCT		100.0	100.0	100.0	99.4	89.2	66.6	39.5	11.3	1.1	66.0	1240
NOV		100.0	100.0	100.0	99.3	94.5	78.9	55.6	25.5	3.1	71.2	1200
DEC		100.0	100.0	100.0	98.8	91.4	72.1	51.9	26.3	5.1	69.9	1239
TOTALS		100.0	100.0	100.0	99.4	90.8	70.0	44.9	18.0	2.3	67.9	14607

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

JANUARY 1973-DECEMBER 1977

JANUARY

ALL

HOURS (L.S.T.)

MONTH

YEARS

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	1.6	25.4	25.4	27.0	15.9	4.8				63	5.1
77 TO 81	.9	2.4	25.6	10.7	22.3	20.8	12.5	4.8		336	27.1
72 TO 76	.9	16.9	34.6	4.4	10.2	11.9	16.9	2.9	1.5	344	27.8
67 TO 71	3.0	43.9	48.1	1.1	.3	1.1		1.7	.8	362	29.2
62 TO 66	1.6	52.5	45.1		.8					122	9.8
57 TO 61		70.0	30.0							10	.8
52 TO 56		100.0								2	.2
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.6	24.1	36.6	5.7	10.3	9.9	8.6	2.6	.6	1239	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

BARBERS POINT, HAWAII

22514

FEBRUARY

JANUARY 1973-DECEMBER 1977

ALL

STATION NAME

YEARS

MONTH

HOURS

WIND DIRECTION

TEMP.	WIND S. N. E.	N. N. E. S. N. E.	TIME S. E.	PER S. E.	DIR S. E.	SS. W. S. S. W.	W. S. W. S. W.	W. N. W. S. N. W.	CALM	TOTAL FREQ.	% OF TOTAL
120 -											
107 TO 120											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		15.0	37.5	30.0	12.5	2.5		2.5		40	3.5
77 TO 81		8.1	39.8	12.3	19.9	9.3	5.9	4.7		236	20.9
72 TO 76	2.8	26.0	46.9	3.1	11.5	3.8	2.4	3.1	.3	288	25.5
67 TO 71	2.5	45.7	47.1	1.1	.8	1.1	1.1	.3	.3	351	32.0
62 TO 66	3.6	54.9	37.5		.5	.5		.5	2.2	184	16.3
57 TO 61		55.6	44.4							18	1.6
52 TO 56		100.0								1	.1
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 3											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-63 TO -59											
TOTALS	2.1	33.4	43.5	4.8	7.9	3.3	2.2	2.0	.5	1128	100.0

NAVWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

22514 STATION NAME BARBERS POINT, HAWAII JANUARY 1973-DECEMBER 1977 MONTH MARCH ALL HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 -											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	1.4	4.3	59.4	10.1	11.6	5.8	4.3	2.9		69	5.6
77 TO 81		8.7	56.3	7.2	9.9	10.8	4.2	2.7		332	26.8
72 TO 76	.6	17.5	65.4	1.5	6.3	3.9	1.2	3.3	.3	332	26.8
67 TO 71	.7	37.1	60.7			.2		.5	.7	407	32.8
62 TO 66	2.3	51.2	45.3						1.2	86	6.9
57 TO 61	64.3	35.7								14	1.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	.6	23.7	59.4	2.9	5.0	4.4	1.7	1.9	.4	1240	100.0

5709 FREQ. AIR TEMP. VS. WIND DIR. MAR. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22514

BARBERS POINT, HAWAII

JANUARY 1973-DECEMBER 1977

APRIL

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		10.0	58.9	17.8	6.7	2.2	1.1	3.3		90	7.5
77 TO 81	.3	13.3	56.5	10.9	11.2	3.1	2.0	2.7		294	24.6
72 TO 76	.9	21.7	69.2	3.0	2.1	1.2	.7	1.2		426	35.8
67 TO 71	2.4	35.7	60.7	.6			.3	.3		333	27.8
62 TO 66	4.3	34.8	60.9							46	3.8
57 TO 61		100.0								2	.2
52 TO 56		100.0								3	.3
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.3	23.3	62.5	5.3	4.0	1.3	.9	1.4		1196	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

ALL

MAY

JANUARY 1973-DECEMBER 1977

BARBERS POINT, HAWAII

22514

HOURS LAST

MONTH

YEARS

STATION NAME

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86		12.2	55.8	18.3	5.6	4.1	4.1			197	15.9
77 TO 81	.6	11.5	58.3	12.1	10.3	2.8	2.8	1.6		321	25.9
72 TO 76	1.1	22.8	71.1	2.0	2.4	.2	.2	.2		460	37.1
67 TO 71		32.4	64.4	1.2	1.2	.4	.4			250	20.2
62 TO 66			100.0							12	1.0
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	.6	19.9	64.3	7.0	6.7	1.5	1.5	.6		1260	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

WIND DIRECTION

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

JANUARY 1973-DECEMBER 1977
YEARS

JUNE
MONTH

ALL
HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	27.3	72.7								11	.9
82 TO 86	.3	13.1	56.0	14.4	11.7	3.1	1.4			291	24.3
77 TO 81	.7	20.8	60.3	9.8	6.2	1.6	.3	.3		307	25.6
72 TO 76	.2	28.4	68.5	1.5	.9		.4			457	38.1
67 TO 71		47.7	50.8	.8				.8		132	11.0
62 TO 66			100.0							2	.2
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	.3	24.8	61.3	6.7	4.8	1.2	.6	.1	.1	1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

22514

BARBERS POINT, HAWAII

JANUARY 1973-DECEMBER 1977

JULY

ALL

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		21.6	70.3	8.1						37	3.0
82 TO 86	.6	12.3	71.6	10.3	3.9	.3	.6	.6		359	29.0
77 TO 81	.3	21.5	73.2	2.8	1.4	.3		.3	.3	354	28.5
72 TO 76	.2	26.6	72.4	.2	.2				.2	410	33.1
67 TO 71		41.8	58.2							79	6.4
62 TO 66		100.0								1	.1
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	.3	21.9	71.4	4.1	1.6	.2	.2	.2	.2	1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

STATION NAME BARBERS POINT, HAWAII MONTH AUGUST ALL
STATION 22514 YEARS JANUARY 1973-DECEMBER 1977 HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	1.1	17.0	69.3	10.2	2.3					88	7.1
82 TO 86	1.3	13.6	58.5	10.7	9.4	4.2	1.6	.8		383	30.9
77 TO 81	1.3	22.1	70.5	3.1	1.8	.8	.5			390	31.5
72 TO 76	.3	32.8	66.6	.3						329	26.5
67 TO 71		30.0	70.0							50	4.0
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.0	22.3	65.6	5.1	3.6	1.3	.6	.2		1240	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

22514

BARBERS POINT, HAWAII

ALL

JANUARY 1973-DECEMBER 1977

SEPTEMBER

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122+											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	1.6	15.4	52.0	17.9	12.2	.8				123	10.3
82 TO 86	1.1	17.2	37.0	14.1	16.9	6.8	4.5	2.3		354	29.5
77 TO 81	.5	35.2	59.8	.5	1.3	1.3		1.3		381	31.8
72 TO 76		43.9	55.5		.3				.3	301	25.1
67 TO 71		34.1	65.9							41	3.4
62 TO 66											
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	.7	30.0	51.4	6.2	6.8	2.3	1.3	1.1	.1	1200	100.0

NAVWEASERVCOM

PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

STATION NAME
BARBERS POINT, HAWAII

STATION
22514

MONTH
JANUARY 1973-DECEMBER 1977

ALL

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NINW & N	NINE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91		19.1	55.9	5.9	10.3	2.9	4.4	1.5		68	5.5
82 TO 86	.7	9.2	53.8	12.5	12.8	6.6	3.0	1.6		305	24.6
77 TO 81	2.5	28.0	62.1	2.5	2.7	1.1	.8	.3		364	29.4
72 TO 76	1.4	42.3	54.9	.2			.5	.5	.2	435	35.1
67 TO 71		50.7	49.3							67	5.4
62 TO 66		100.0								1	.1
57 TO 61											
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.4	29.1	56.5	4.2	4.5	2.1	1.4	.7	.1	1240	100.0

NAYWEASERVCOM

5709 FREQ. AIR TEMP. VS. WIND DIR. JAN. 68

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS. WIND DIRECTION

22514
STATION

BARBERS POINT, HAWAII
STATION NAME

JANUARY 1973-DECEMBER 1977
YEARS

NOVEMBER
MONTH

HOURS 15.5-1.1

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91											
82 TO 86	.6	9.8	43.6	19.0	17.8	4.3	4.3	.6		163	13.6
77 TO 81	.3	15.0	40.2	12.4	17.3	7.8	4.6	2.3		306	25.5
72 TO 76	2.7	32.0	54.9	2.7	3.1	3.1	.9	.7		450	37.5
67 TO 71	3.2	54.3	40.5	.4	.4		.8	.4		247	20.6
62 TO 66		60.6	39.4							33	2.8
57 TO 61		100.0								1	.1
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.8	30.1	46.2	6.8	8.1	3.8	2.3	1.0		1200	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

22514

STATION NAME
BARBERS POINT, HAWAII

JANUARY 1973-DECEMBER 1977

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91			40.0	20.0	40.0					5	.4
82 TO 86	2.3	9.1	48.5	15.2	16.7	3.8	.8	3.8		132	10.7
77 TO 81	2.0	15.3	36.8	11.7	22.1	5.9	3.9	2.3		307	24.8
72 TO 76	4.7	29.3	52.5	1.4	3.6	2.2	3.3	3.0		362	29.2
67 TO 71	4.3	40.7	50.3	1.2		.3	.9	1.6	.6	322	26.0
62 TO 66	.9	48.6	49.5	.9						107	8.6
57 TO 61		33.3	66.7							3	.2
52 TO 56											
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LVR											
TOTALS	3.3	28.2	47.3	5.4	8.5	2.6	2.3	2.3	.2	1238	100.0

PERCENTAGE FREQUENCY OF AIR TEMPERATURE VS.

WIND DIRECTION

22514 BARBERS POINT, HAWAII

JANUARY 1973-DECEMBER 1977

ALL

ALL

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

WIND DIRECTION

TEMP.	NNW & N	NNE & NE	ENE & E	ESE & SE	SSE & S	SSW & SW	WSW & W	WNW & NW	CALM	TOTAL FREQ.	% OF TOTAL
122 +											
117 TO 121											
112 TO 116											
107 TO 111											
102 TO 106											
97 TO 101											
92 TO 96											
87 TO 91	.9	17.5	59.9	11.7	7.8	.9	.9	.3		332	2.3
82 TO 86	.8	12.0	53.5	14.1	11.5	4.4	2.5	1.2		2446	16.8
77 TO 81	.8	17.5	54.2	7.6	9.9	5.2	3.0	1.8	.0	3928	26.9
72 TO 76	1.3	28.3	60.2	1.7	3.1	2.0	2.0	1.1	.2	4596	31.5
67 TO 71	2.0	41.5	53.7	.7	.3	.3	.6	.6	.4	2651	18.2
62 TO 66	2.4	50.2	45.8	.2	.2	.3		.2	.8	594	4.1
57 TO 61		58.3	41.7							48	.3
52 TO 56		100.0								6	.0
47 TO 51											
42 TO 46											
37 TO 41											
32 TO 36											
27 TO 31											
22 TO 26											
17 TO 21											
12 TO 16											
7 TO 11											
2 TO 6											
-3 TO 1											
-8 TO -4											
-13 TO -9											
-18 TO -14											
-23 TO -19											
-28 TO -24											
-33 TO -29											
-38 TO -34											
-43 TO -39											
-48 TO -44											
-53 TO -49											
-58 TO -54											
-59 & LWR											
TOTALS	1.7	25.8	55.6	5.3	5.8	2.9	2.0	1.2	.2	14801	100.0

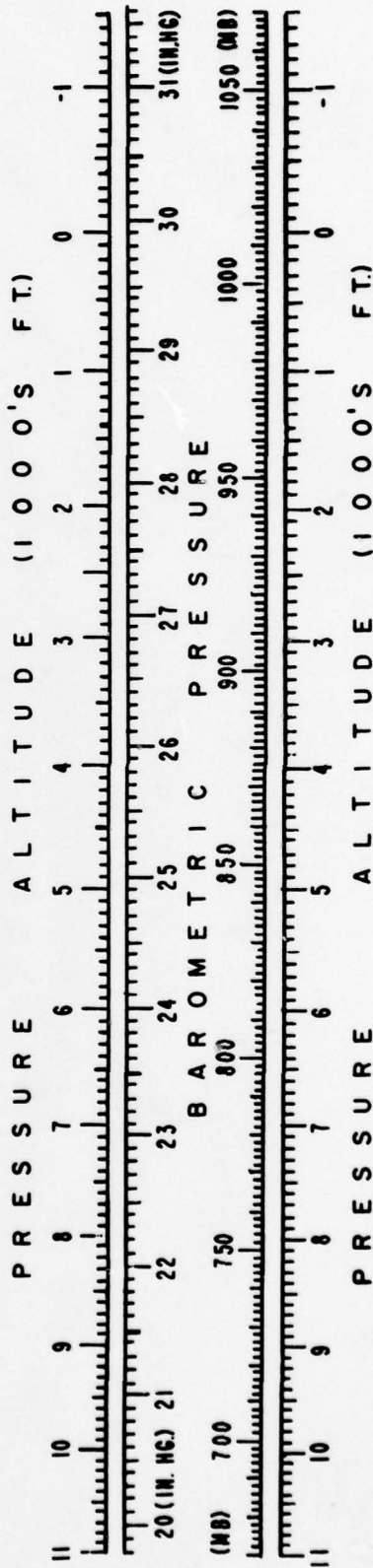
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

22514 BARBERS POINT, HAWAII

73-77

STATION

STATION NAME

YEARS

HRS.(L.S.T.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	29.908	29.987	29.993	30.000	29.997	29.977	29.972	29.954	29.935	29.945	29.932	29.949	29.962
	.089	.076	.089	.053	.047	.041	.038	.047	.050	.046	.068	.079	.069
	155	141	155	150	155	150	155	155	150	155	150	155	1826
05	29.894	29.966	29.973	29.983	29.983	29.967	29.960	29.940	29.918	29.930	29.914	29.935	29.947
	.092	.077	.089	.052	.046	.041	.038	.047	.050	.046	.068	.079	.069
	155	141	155	150	155	150	155	155	150	155	150	155	1826
08	29.927	30.002	30.012	30.022	30.018	30.000	29.992	29.972	29.951	29.964	29.949	29.970	29.981
	.092	.076	.089	.052	.046	.042	.038	.049	.051	.046	.069	.080	.070
	155	141	155	150	155	150	155	155	150	155	150	155	1826
11	29.942	30.020	30.027	30.032	30.020	30.000	29.991	29.976	29.957	29.972	29.956	29.979	29.989
	.089	.074	.087	.051	.045	.042	.037	.049	.050	.045	.065	.080	.069
	155	141	155	150	155	150	155	155	150	155	150	155	1826
14	29.869	29.955	29.969	29.984	29.983	29.969	29.959	29.937	29.907	29.911	29.890	29.908	29.937
	.086	.071	.087	.049	.043	.042	.038	.047	.048	.045	.066	.076	.071
	155	141	155	150	155	150	155	155	150	155	150	155	1826
17	29.872	29.941	29.953	29.962	29.961	29.946	29.936	29.917	29.893	29.909	29.893	29.911	29.925
	.085	.072	.087	.050	.043	.040	.037	.047	.049	.045	.064	.076	.067
	155	141	155	150	155	150	155	155	150	155	150	155	1826
20	29.916	29.987	29.997	30.007	30.002	29.981	29.970	29.953	29.938	29.957	29.940	29.957	29.967
	.086	.071	.087	.051	.044	.040	.037	.046	.049	.046	.066	.077	.067
	155	141	155	150	155	150	155	155	150	155	150	155	1826
23	29.931	30.012	30.026	30.036	30.031	30.012	30.001	29.983	29.964	29.977	29.956	29.974	29.992
	.087	.072	.087	.051	.046	.042	.036	.047	.050	.044	.069	.078	.069
	155	141	155	150	155	150	155	155	150	155	150	155	1826
ALL HOURS	29.907	29.984	29.994	30.003	29.999	29.982	29.973	29.954	29.933	29.946	29.929	29.948	29.962
	.092	.078	.091	.057	.050	.046	.042	.052	.055	.051	.071	.082	.073
	1240	1129	1240	1200	1240	1200	1240	1240	1200	1240	1200	1240	14608

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

22514 BARBERS POINT, HAWAII

73-77

STATION

STATION NAME

YEARS

HRS.(LST.)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
02	1014.4 2.991 155	1017.1 2.567 141	11017.3 2.959 155	1017.5 1.784 150	1017.5 1.577 155	1016.8 1.410 150	1016.6 1.261 155	1016.6 1.591 155	1015.8 1.710 150	1015.7 1.537 155	1015.2 2.294 150	1015.8 2.649 155	1016.3 2.321 1826
05	1013.9 3.096 155	1016.4 2.596 141	1016.6 3.010 155	1016.9 1.779 150	1016.9 1.566 155	1016.4 1.414 150	1016.2 1.269 155	1015.5 1.592 155	1014.8 1.683 150	1013.8 1.528 155	1014.6 2.296 150	1015.3 2.663 155	1015.7 2.331 1826
08	1015.1 3.108 155	11017.6 2.554 141	1018.3 3.007 155	1018.3 1.760 150	1018.1 1.549 155	11017.6 1.418 150	1017.3 1.279 155	1016.6 1.662 155	1015.9 1.714 150	1016.3 1.579 155	1015.8 2.318 150	1016.5 2.693 155	1016.9 2.358 1826
11	1015.6 3.004 155	1018.2 2.480 141	1018.4 2.935 155	1018.6 1.723 150	1018.2 1.511 155	1017.5 1.403 150	1017.2 1.277 155	1016.7 1.653 155	1016.1 1.695 150	1016.6 1.533 155	1016.0 2.211 150	1016.8 2.690 155	1017.2 2.309 1826
14	1013.1 2.891 155	11016.0 2.383 141	1016.5 2.917 155	1017.0 1.671 150	1017.0 1.460 155	1016.5 1.410 150	1016.1 1.274 155	1015.4 1.593 155	1014.4 1.632 150	1014.4 1.512 155	1013.8 2.202 150	1014.4 2.546 155	1015.4 2.390 1826
17	1013.2 2.845 155	1015.5 2.405 141	1015.9 2.913 155	1016.3 1.693 149	1016.2 1.433 155	1015.7 1.340 150	1015.4 1.262 155	1014.7 1.585 155	1013.9 1.638 150	1014.4 1.513 155	1013.9 2.149 150	1014.5 2.534 155	1015.0 2.238 1825
20	1014.7 2.908 155	11017.1 2.397 141	1017.4 2.937 155	1017.8 1.696 150	1017.6 1.481 155	1016.9 1.371 150	1016.5 1.251 155	1016.0 1.615 155	1015.4 1.676 150	1016.1 1.507 155	1015.9 2.222 150	1016.1 2.571 155	1016.4 2.244 1826
23	1015.2 2.941 155	1018.0 2.405 141	1018.4 2.916 155	1018.8 1.686 150	1018.6 1.499 155	1017.9 1.405 150	1017.6 1.223 155	1017.0 1.578 155	1016.6 1.666 150	1016.7 1.492 155	1016.0 2.335 150	1016.6 2.636 155	1017.3 2.328 1826
ALL HOURS	1014.4 3.089 1240	1017.0 2.620 1123	1017.3 3.065 1240	1017.7 1.908 1199	1017.5 1.678 1240	1016.9 1.552 1200	1016.6 1.430 1240	1016.0 1.757 1240	1015.5 1.847 1200	1015.7 1.736 1240	1015.8 2.403 1200	1015.8 2.759 1240	1016.3 2.445 14607